

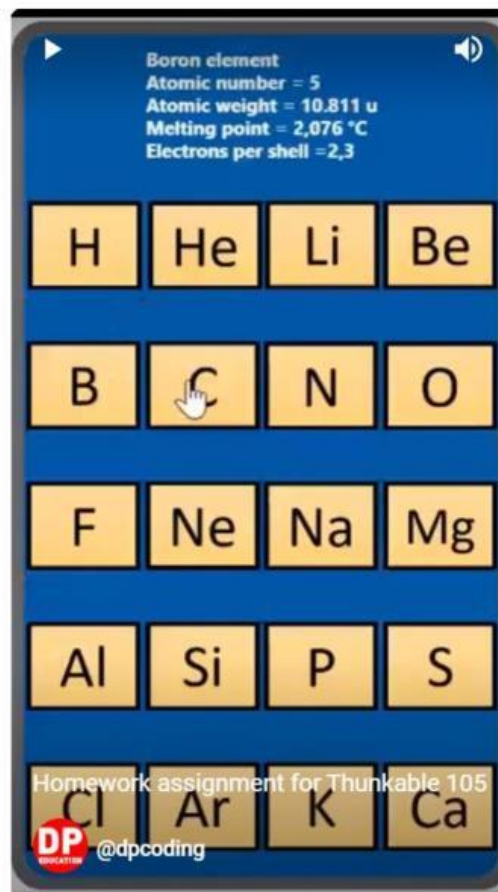
Project 105



Coding School



thunkable



Let's create an App to learn about the first 20 elements of the periodic table

- ❖ Add a color of your choice as the background color. For that, let's add a color of your choice through the background color of the properties shown on the right side of the screen.
- ❖ Add six Row
- ❖ Let's make a label for Row1 and name that label as display. Write Periodic Table First Twenty Elements for the text of that label.
- ❖ Let's change it as follows by showing the right side of one.

display

Simple Advanced

Text

Periodic Table First Twenty Ele X

Font Size

15

Number Of Lines

Line Height

1

Color

rgba(255, 255, 255, 1)

Background Color

rgba(____, ____ , ____ , ____)

Font Style

Normal

Font Weight

Bold

Text Align

Left

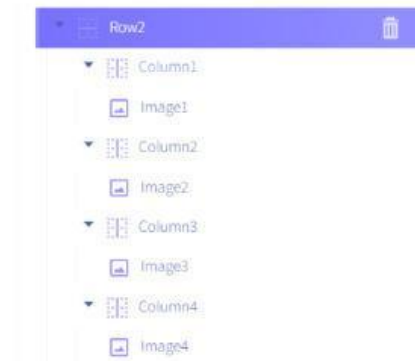
Height

Pick One: Fit contents, Fill container

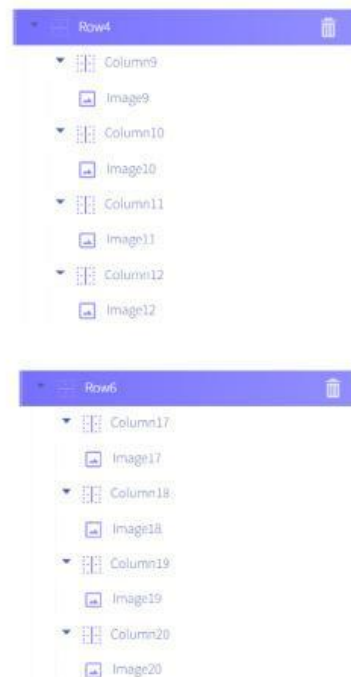
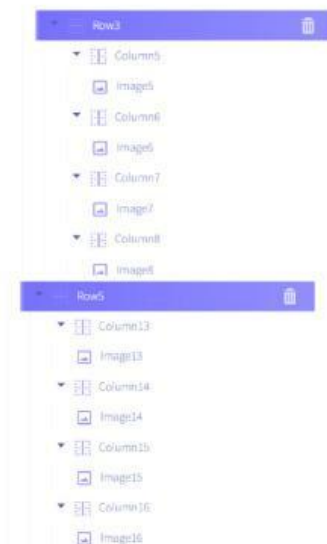
Fit contents

- ❖ Add 4 Columns for Row2.

- ❖ Create an image component in each column. Set the Height to 70 and the Width to 90 using the properties shown on the right side of the image components.
- ❖ By making 4 columns in row2 and adding image components to that column, you can see how the design of row2 has been done on the left side of the screen..



- ❖ Design Row3, Row4, Row5 and Row6 in the same way as Row2 was designed.
- ❖ After designing Row3, Row4, Row5 and Row6, the design of Rows can be seen on the left side of the screen as follows..



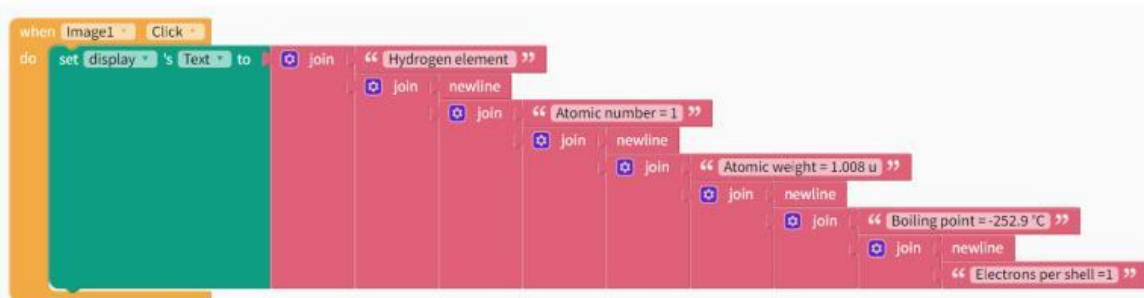
- ❖ To add the images you have added to the Components, add the related picture to the Picture shown on the right side of the related images Component.
- ❖ When you add the relevant picture, get the following design.

H	He	Li	Be
B	C	N	O
F	Ne	Na	Mg
Al	Si	P	S
Cl	Ar	K	Ca

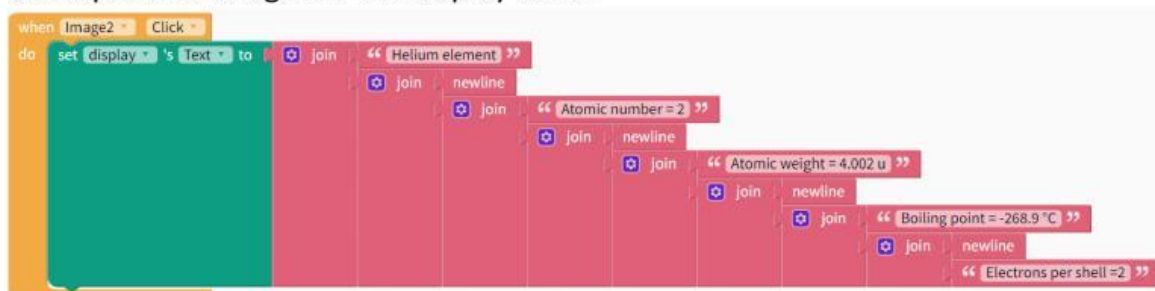
- ❖ Let's prepare the code here.
The details related to H are shown in the text box below.

Hydrogen element
Atomic number = 1
Atomic weight = 1.008
Boiling point = -252.9 °C
Electrons per shell =1

- ❖ When you click on Image1, let's prepare the code as follows to see a description of Image1 in the display label.



- ❖ When you click on Image2, let's prepare the code as follows to see a description of Image2 in the display label.



- ❖ Prepare the code to show the following type of description about image3 in the display label when image3 is clicked.

Lithium element
Atomic number = 3
Atomic weight = 6.941 u
Electrons per shell = 2, 1

- ❖ Prepare the code to show the following type of description about image4 in the display label when image4 is clicked.

Beryllium element
Atomic number = 4
Atomic weight = 9.012182 u
Melting point = 1,287 °C
Electrons per shell = 2,2

- ❖ Prepare the code to show the following type of description about image5 in the display label when image5 is clicked.

Boron element
Atomic number = 5
Atomic weight = 10.811 u
Melting point = 2,076 °C
Electrons per shell =2,3

- ❖ Prepare the code to show the following type of description about image6 in the display label when image6 is clicked.

Carbon element
Atomic number = 6
Atomic weight = 12.011 u
Boiling point = -268.9 °C
Electrons per shell =2,4

- ❖ Prepare the code to show the following type of description about image7 in the display label when image7 is clicked.

Nitrogen element
Atomic number = 7
Atomic weight = 14.0067 u
Boiling point = -195.8 °C
Electrons per shell =2,5

- ❖ Prepare the code to show the following type of description about image8 in the display label when image8 is clicked.

Oxygen element
Atomic number = 8
Atomic weight = 15.999 u
Boiling point = -183 °C
Electrons per shell =2,6

- ❖ Prepare the code to show the following type of description about image9 in the display label when image9 is clicked.

Fluorine element
Atomic number = 9
Atomic weight = 18.998403 u
Boiling point: -188.1 °C
Electrons per shell =2,7

- ❖ Prepare the code to show the following type of description about image10 in the display label when image10 is clicked.

Neon element
Atomic number = 10
Atomic weight = 20.1797 u
Melting point = -248.6 °C
Electrons per shell =2,8

- ❖ Prepare the code to show the following description of image11 in the display label when image11 is clicked.

Sodium element
Atomic number = 11
Atomic weight = 22.989769 u
Melting point = 97.79 °C
Electrons per shell =2,8,1

- ❖ Prepare the code to show the following type of description about image12 in the display label when image12 is clicked.

Magnesium element
Atomic number = 12
Atomic weight = 24.305 u
Melting point = 650 °C
Electrons per shell =2,8,2

- ❖ Prepare the code to show the following type of description about image13 in the display label when image13 is clicked

Aluminum element
Atomic number = 13
Atomic weight = 26.982 u
Electrons per shell =2,8,3

- ❖ Prepare the code to show the following type of description about image14 in the display label when image14 is clicked.

Silicon element
Atomic number = 14
Atomic weight = 28.0855 u
Boiling point = 2,355 °C
Electrons per shell =2,8,4

- ❖ Prepare the code to show the following type of description about image15 in the display label when image15 is clicked.

Phosphorus element
Atomic number = 15
Atomic weight =30.973762 u
Electrons per shell =2,8,5

- ❖ Prepare the code to show the following type of description about image16 in the display label when image16 is clicked

Silver element
Atomic number = 16
Atomic weight = 107.8682 u
Electrons per shell =2,8,6

- ❖ Prepare the code to show the following type of description about image17 in the display label when image17 is clicked

Chlorine element
Atomic number = 17
Atomic weight = 35.453 u
Melting point = -101.5 °C
Electrons per shell =2,8,7

- ❖ Prepare the code to show the following description of image18 in the display label when image18 is clicked

Argon element
Atomic number = 18
Atomic weight = 39.948 u
Boiling point = -185.8 °C
Electrons per shell =2,8,8

- ❖ Prepare the code to show the following type of description about image19 in the display label when image19 is clicked

Potassium element
Atomic number = 19
Atomic weight = 39.948 u
Boiling point = -185.8 °C
Electrons per shell =2,8,8,1

- ❖ Prepare the code to show the following type of description about image20 in the display label when image20 is clicked.

Calcium element
Atomic number = 20
Atomic weight = 40.078
Electrons per shell =2,8,8,2