

IT technician Progress test
Applications programming/Database creation and management

1 Complete the gaps using the words given.

P numbered Notepad++ src height
A width circle

1. In order to define a picture's height we need to use a _____ attribute in img marker.
2. In order to define a picture's width you need to use a _____ attribute in img marker.
3. In order to change the bullet style to an empty circle, you need to define the value of the "type" attribute as _____.
4. In order to change the list numbering to letters you need to define the value of the "type" attribute as "_____".
5. _____ is an example of a text editor for creating a website with HTML.
6. The _____ marker means a separate paragraph.
7. The source of an image is defined using the _____ attribute.
8. A _____ paragraph is placed between li markers.

2 Match the expression with the description.

li	We start creating the website with this marker.
ol	The marker used to add a bulleted list.
ul	The marker in which you place everything that is to be visible on the website.
img	The marker used to add elements to lists.
head	The marker denoting a header.
body	The marker used to define the rules of operation and basic information about the website.
html	The marker used to add pictures.
h1	The marker used to add a numbered list.

3 Mark the sentences true or false.

1. In order to put a picture on a website you need to use the marker.

True False

2. In order to add some text in the form of an ordered list, you need to use the marker.

True False

3. In order to change the ordering style to an empty circle you need to define the value of the "type" attribute as "circle".

True False

4. In order to enter text on the page you need to use the paragraph marker <p>.

True False

5. To provide the path to the image we want to use on our website, we use the width parameter.

True False

6. The marker is responsible for introducing an unordered list.

True False

7. In the <body> section there are all the objects which will be visible on the website.

True False

8. If the <type> attribute has not been declared, enumeration stays in Arabic numerals.

True False

4 Complete the gaps.

rows form relationships reporting data
table ID key reports

1. The database tables may be linked by means of _____ .
2. In Access, you can generate _____ .
3. When designing a database you can prepare a _____ to add new data.
4. Each row in the courses table can be assigned a unique _____ so as to be easily identifiable in the database.

5. As the company does a lot of training in various fields, it isn't possible to create one single _____ for all the information.
6. The table is supposed to contain _____ and columns.
7. The employee also suggests that a table with _____ about courses should be designed and that both tables should be linked with relationships.
8. The director is interested in _____ information, as well.

5 Mark the sentences true or false.

1. A select query is used for searching a database.

True False

2. While searching for information in a database it is possible to display single records.

True False

3. Access is a program for creating spreadsheets.

True False

4. Structured Query Language is the language of requests directed to the database.

True False

5. A field is a single row in the table.

True False

6. To limit the number of columns displayed, you have to enter their names separated with commas.

True False

7. A row in a table of a database is called an attribute.

True False

8. In order to display all information from a database you should use the “How much?” request.

True False

6 Choose the correct answer.

1. The database type set for text fields is _____.

2. Selecting the Automatic Increment option causes an _____ of the value by 1.
3. The _____ package establishes a local server.
4. The value which identifies each record in a table is called the _____.
5. The _____ directed to the database are called queries.
6. The utf8_polish_ci option implements the possibility to _____ Polish diacritics in the program.
7. To create a website in the PHP language you need _____.
8. An option responsible for the identification of every record is called a _____ option.

7 Label the pictures with the expressions from the source list. (drag and drop)

Dataset

Column

Master ID key

Database

Record

Field

id	attribute1	attribute2	attribute3	attribute4	attribute5
a	257	6438	3521	46	284
b	46	4	254	358	259
c	7409	360	527	90	98
d	433	746	729	192	325
e	3250	863	823	464	20
f	220	302	90	240	930

id	attribute1	attribute2	attribute3	attribute4	attribute5
a	257	6438	3521	46	284
b	46	4	254	358	259
c	7409	360	527	90	98
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a	257	6438	3521	46	284
b	46	4	254	358	259
c	7409	360	527	90	98
d	433	746	729	192	325
e	3250	863	823	464	20
f	220	302	90	240	930

id	attribute1	attribute2	attribute3	attribute4	attribute5
a	257	6438	3521	46	284
b	46	4	264	368	259
c	7409	360	527	90	98
d	433	746	729	192	325
e	3250	863	823	464	20
f	220	302	90	240	930

id	attribute1	attribute2	attribute3	attribute4	attribute5
a	257	6438	3521	46	284
b	46	4	264	368	259
c	7409	360	527	90	98
d	433	746	729	192	325
e	3250	863	823	464	20
f	220	302	90	240	930

8 Choose the correct answer.

1. A relational database model is

- a set of images linked by relationships,
- a collection of data in the form of tables linked by relationships.
- a structured set of programming languages,

2. What is SQL ?

- The language of queries used to communicate with the website.
- The language of queries used to communicate with the database,
- The language used to create websites,

3. The software developed to manage database systems is

- DBMS
- HTML
- PHP

4. The DBMS software operates mainly on

- audio files
- graphics files
- text and numeric data

5. The tasks of the DBMS software include e.g.

- compressing files
- graphic design of databases
- adding and deleting data

6. The storage of graphic, video or audio files in most contemporary database systems is

- possible
- impossible
- advisable

7. The AI option in the phpMyAdmin package stands for

astronomic interpretation

absolute integration

automatic increment

8. The first column of a table, marked as ID, functions as

a primary key

a query

an additional key