```
#include<stdio.h>
#include<conio.h>
#include<iostream>
using namespace std;
// Cau 1
float S(int n)
{
	float tong = 0;
	for(int i=1;i<=n;i++)
		tong=tong+1/(float (i*(i+1)));
	return tong;
}
// Cau 2
int F(int n)
{
	if(n==1)  return 2;
	if(n==2)  return 3;
	return 3*F(n-1) + 7*F(n-2)+2;
}
// Cau 3a
void NhapMang(int a[], int &n)
{
	printf("\n Nhap vao so phan tu cua mang ");scanf("%d",&n);
	for(int i=0;i<n;i++)
	{
		printf("\nNhap vao phan tu a[%d] = ",i);scanf("%d",&a[i]);
	}
}
void XuatMang(int a[], int n)
{
	printf("\n Mang ban vua nhap la: ");
	for(int i=0;i<n;i++)
```

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```
        printf("%d, ",a[i]);
}
void Xuat2DongLe(int a[], int n)
{
    printf("\n Cac Phan Tu Co Chi So Le la: ");
    for(int i=0;i<n;i++)
    {
        if(i%2==1)
        {
            cout<<a[i]<<", ";
        }
    }
    printf("\n Cac Phan Tu La So Le la: ");
    for(int i=0;i<n;i++)
    {
        if(a[i]%2==1)
        {
            cout<<a[i]<<", ";
        }
    }
}
// Cau 3b
void XoaPhanTuChan(int a[], int &n)
{
    for(int i=0;i<n;i++)
    {
        if(a[i]%2==0)
        {
            for(int j=i;j<n;j++)
                a[j]=a[j+1];
            i--;
            n--;
```

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```
            }
        }
}
// Cau 04
struct NHANVIEN
{
        char MaNV[10];
        char TenNV[25];
        char PhongBan[15];
        int NamSinh;
        float Luong;
};
void NhapNhanVien(NHANVIEN a[], int &n)
{
        printf("\n Nhap vao so nhan vien cua cong ty: ");scanf("%d",&n);
        fflush(stdin);
        for(int i=0;i<n;i++)
        {
                printf("\n Nhap vao ban nhan vien thu %d ",i);
                printf("\n Nhap vao MaNV ");gets(a[i].MaNV);
                printf("\n Nhap vao TenNV ");gets(a[i].TenNV);
                printf("\n Nhap vao PhongBan ");gets(a[i].PhongBan);
                printf("\n Nhap vao NamSinh ");scanf("%d",&a[i].NamSinh);
                printf("\n Nhap vao Luong ");scanf("%f",&a[i].Luong);
                fflush(stdin);


        }
}
void XuatNhanVien(NHANVIEN a[], int n)
{
        printf("\n DANH SACH NHAN VIEN BAN VUA NHAP LA ");
```

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```
    printf("\nSTT\tMANV\tTENNV\tPHONGBAN\tNAMSINH\tLUONG");
    printf("\n-----------------------------------------------");
    for(int i=0;i<n;i++)

    printf("\n%d\t%s\t%s\t%s\t\t%d\t%.0f",i+1,a[i].MaNV,a[i].TenNV,a[i].P
hongBan,a[i].NamSinh,a[i].Luong);
    printf("\n-----------------------------------------------");
}
void DemNhanVienLuongLonHon_x(NHANVIEN nv[], int n, float &x)
{
    int dem=0;
    printf("\n Nhap vao x can kiem tra: ");scanf("%f",&x);
    for(int i=0;i<n;i++)
        if(nv[i].Luong>=x)  dem++;
    printf("\nSo Nhan Vien Co Luong > %.1f la = %d ",x,dem);


}
void TrungBinhLuong(NHANVIEN nv[], int n)
{
    float tb=0;
    for(int i=0;i<n;i++)
        tb=tb+nv[i].Luong;
    printf("\n\t LUONG TRUNG BINH = %.1f",tb/n);
}



int main()
{
    // Cau 01 va Cau 02
    int n;
    printf("\n Nhap n nguyen duong = ");scanf("%d",&n);
    printf("\n S = %.2f",S(n));
```

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```
    printf("\n F = %d",F(n));
    // Cau 03
    int a[50], n;
    NhapMang(a,n);
    XuatMang(a,n);
    Xuat2DongLe(a,n);
    XoaPhanTuChan(a,n);
    XuatMang(a,n);
    // Cau 04
    NHANVIEN nv[50];
    int n;
    float x;
    NhapNhanVien(nv,n);
    XuatNhanVien(nv,n);
    DemNhanVienLuongLonHon_x(nv,n,x);
    TrungBinhLuong(nv,n);
    getch();
    return 0;
}
```

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