

ASSIGNMENT NO.1

//Finding F from C.

```
#include<stdio.h>
```

```
int main()
```

```
{
```

```
    int C,F;
```

```
    printf("Enter the value of Farnite=");
```

```
    scanf("%d",&F);
```

```
    C=(F-32)*5/9;
```

```
    printf("The conversion of faranite in c is= %d",C);
```

```
}
```

Output:

Enter the value of Farnite=23

The conversion of faranite in c is= -5

//Finding area and perimeter of rectangle and circle

```
#include<stdio.h>
```

```
int main()
```

```
{
```

```
    int l,b,r,area,peri;
```

```
    printf("\nEnter the value of l=");
```

```
    scanf("%d",&l);
```

```
    printf("\nEnter the value of b=");
```

```
    scanf("%d",&b);
```

```
    peri=2*(l+b);
```

```
    printf("\nThe perimeter of rectangle is=%d",peri);
```

```
    area=l*b;
```

```
    printf("\nThe area of rectangle is=%d",area);
```

```
}
```

Output:

Enter the value of l=23

Enter the value of b=34

The perimeter of rectangle is=114

The area of rectangle is=782

```
//Check the given number is even or odd
```

```
#include<stdio.h>
```

```
int main()
```

```
{
```

```
    int num=225;
```

```
    //printf("Enter number which you want=");
```

```
    //scanf("%d",&num);
```

```
    if(num%2==0)
```

```
    {
```

```
        printf("The given number is even");
```

```
    }
```

```
    else
```

```
    {
```

```
        printf("The given number is odd");
```

```
    }
```

```
}
```

Output:

The given number is odd

Or:

Enter number which you want=40

The given number is even

//Calculating total salary based on basic salary

```
#include<stdio.h>
```

```
int main()
```

```
{
```

```
    int basic,salary;
```

```
    float da,ta,hra;
```

```
    printf("Enter the value of basic=");
```

```
    scanf("%d",&basic);
```

```
    if(basic<=5000)
```

```
    {
```

```
        da=(0.1*5000);
```

```
        ta=(0.2*5000);
```

```
        hra=(0.2*5000);
```

```
    }
```

```
    else
```

```
    {
```

```
        da=(0.15*5000);
```

```
        ta=(0.25*5000);
```

```
        hra=(0.30*5000);
```

```
    }
```

```
    printf("\nThe value of da is= %f",da);
```

```
    printf("\nThe value of ta is= %f",ta);
```

```
    printf("\nThe value of hra is=%f",hra);
```

```
    salary=da+ta+hra;
```

```
    printf("\nThe total salary is= %d",salary);
```

```
}
```

Output:

Enter the value of basic=34

The value of da is= 500.000000

The value of ta is= 1000.000000

The value of hra is=1000.000000

The total salary is= 2500

//Check the person is eligible for marriage or not

```
#include<stdio.h>
```

```
int main()
```

```
{
```

```
    int age,male_age,female_age;
```

```
    printf("Enter the male_age=");
```

```
    scanf("%d",&male_age);
```

```
    printf("Ener the female_age=");
```

```
    scanf("%d",&female_age);
```

```
    if(male_age>=21 && female_age>=18)
```

```
    {
```

```
        printf("\nThe person is eligible for marriage");
```

```
    }
```

```
    else
```

```
    {
```

```
        printf("Sorry the person is not eligible to marriage");
```

```
    }
```

```
}
```

Output:

Enter the male_age=23

Ener the female_age=56

The person is eligible for marriage

