

## **1\_temperatureFtoC**

```
void main()
{
    float c;

    printf("enter temperature in degree C=");

    scanf("%f",&c);

    float f=c*9/5+32;

    printf("temp %.2f in C =%.2f in F",c,f);
}
```

## **2\_areaAndCircumference**

```
void main()
{

    char ch;

    printf("enter 'c' for circle and 'r' for rectangle=");

    scanf("%c",&ch);

    if(ch=='c')
    {
        //area and circumference of circle

        const float pi=3.14;

        int r;

        printf("enter the radius of circle=");

        scanf("%d",&r);

        float area=pi*r*r;

        float circum=2*pi*r;

        printf("area of circle= %.2f and circumference is =%.2f\n",area,circum);
    }
}
```

```

else if(ch=='r')
{

    //area and perimeter of rectangle
    int l,b,ar;

    printf("enter length and breadth of rectangle=");
    scanf("%d %d",&l,&b);

    ar=l*b;

    int perim=2*(l+b);

    printf("area of rectangle=%d and perimeter of rectangle is=%d",ar,perim);
}

else
    printf("please enter correct choice");
}

```

### **3\_ThreeDigitNumber**

```

void main()
{
    int b;

    printf("enter the number=");
    scanf("%d",&b);
    int a=b;

    int temp,rev=0,sum=0;
    if(a>=100 && a<=999)
    {
        while(a>0)
        {

```

```

        temp=a%10;

        sum=sum+temp;

        rev=rev*10+temp;

        a=a/10;
    }

    printf("sum of digits of %d is=%d and its rev is %d",b,sum,rev);

}

else

printf("please enter three digit number");

}

```

#### **4\_evenOdd**

```

void main()

{

    int no=10;

    if(no%2==0)

    printf("even");

    else

    printf("odd");

}

```

#### **5\_salaryCalculation**

```

void main()

{

    int basic;

    printf("enter the basic=");

    scanf("%d",&basic);


    float da,ta,hra,totalA,totalSalary;


    if(basic<=5000)

    {

        da=0.1;

```

```

        ta=0.2;
        hra=0.25;
        totalA=basic*(da+ta+hra);
        totalSalary=totalA+basic;
    }
    else
    {
        da=0.15;
        ta=0.25;
        hra=0.3;
        totalA=basic*(da+ta+hra);
        totalSalary=totalA+basic;
    }
    printf("total salary=%.2f",totalSalary);
}

```

## 6\_elligibilityForMarriage

```

void main()
{
    char gender;
    printf("enter the gender(m/f)=");
    scanf("%c",&gender);
    int age;
    printf("enter the age=");
    scanf("%d",&age);

    if(gender=='m'&&age>=21 || gender=='f'&&age>=18)
        printf("eligible");
    else
        printf("not eligible");

}

```