ASSIGNMENT NO. 2

## QUE 1:

#include<stdio.h>

int main()

{

    int n,unit\_digit;

    printf("Enter a number : ");

    scanf("%d",&n);

    unit\_digit = n%10;

    printf("The unit digit of the number is %d",unit\_digit);

    return 0;

}

QUE 2:

#include<stdio.h>

int main()

{

    int n,number;

    printf("Enter a number : ");

    scanf("%d",&n);

    number=(n/10);

    printf("The number without last digit  is %d",number);

    return 0;

}

QUE 3:

#include<stdio.h>

int main()

{

    int a,b,temp;

    printf("Enter the numbers here : ");

    scanf("%d%d",&a,&b);

    temp=a;

    a=b;

    b=temp;

    printf(" Swapped numbers are %d and %d.",a,b);

}

QUE 4:

#include<stdio.h>

int main()

{

    int a,b;

    printf("Enter the numbers here : ");

    scanf("%d%d",&a,&b);

    a=a+b;

    b=a-b;

    a=a-b;

    printf(" Swapped numbers are %d and %d.",a,b);

}

QUE 5:

#include<stdio.h>

int main()

{

    int j,n,count=0,sum=0,temp,a;

    printf("Enter a number : ");

    scanf("%d",&n);

    temp=n;

    while(n!=0)

    {

      count++;

      n=n/10;

    }

    printf("The number of digits is: %d",count);

    for(j=1;j<=count;j++)

    {

      a=temp%10;

      sum=sum+a;

      temp=temp/10;

    }

    printf("\nThe sum of digits is: %d",sum);

    return 0;

}

QUE 6:

#include<stdio.h>

int main()

{

    char n;

    printf("Enter a character :");

    scanf("%c",&n);

    printf("%c %d",n,n);

}

QUE 7:

#include<stdio.h>

int main()

{

    int n,count=1;

    printf("Enter a number :");

    scanf("%d",&n);

    while((n&1)==0)

    {

        count++;

        n=n>>1;

    }

    printf("Position of first 1 is %d",count);

}

OR

#include<stdio.h>

int main()

{

    int n,result=0,count=0;

    printf("Enter a number : ");

    scanf("%d",&n);

    while(n!=0)

    {

        result=n&1;

        count++;

        if(result==1)

        {

            printf("The position of first 1 is %d",count);

            break;

        }

        n=n>>1;

    }

}

QUE 8:

#include<stdio.h>

int main()

{

    int n;

    printf("Enter a number here :\n");

    scanf("%d",&n);

    if((n&1)==0)

    printf("Number is even.");

    else

    printf("Number is odd.");

    return 0;

}

QUE 9:

#include<stdio.h>

int main()

{

    int x=sizeof(int);

    int y=sizeof(float);

    int z=sizeof(char);

    int n=sizeof(double);

    printf("Size of int is %d\nsize of float is %d\nsize of char is %d\nthe size of double is %d ",x,y,z,n);

}

QUE 10:

#include<stdio.h>

#include<math.h>

int main()

{

    int n,x;

    printf("Enter a number here : ");

    scanf("%d",&n);

    n=n/10;

    n=n\*10;

    printf("Required number is %d",n);

    return 0;

}

QUE 11:

#include<stdio.h>

int main()

{

    int x,y,z;

    printf("Enter a number here :");

    scanf("%d",&x);

    printf("Enter a digit\n");

    scanf("%d",&y);

    if(x>=0)

    z=x\*10+y;

    else

    z=x\*10-y;

    printf("Required number is :%d",z);

    return 0;

}

QUE 12:

#include<stdio.h>

int main()

{

    float INR,USD;

    printf("Enter the amount in INR :");

    scanf("%f",&INR);

    USD=INR/(76.23);

    printf("The required amount in USD is %f",USD);

    return 0;

}

QUE 13:

#include<stdio.h>

int main()

{

    int n,x,y,count=0;

    printf("Enter a number here :");

    scanf("%d",&n);

    x=n%10;

    y=n/10;

    while(n!=0)

    {

        count++;

        n=n/10;

    }

    for(int i=1;i<count;i++)

    {

      x=x\*10;

    }

    y=y+x;

    printf("Required number is %d",y);

    return 0;

}