ASSIGNMENT-2

1.

#include<stdio.h>

int main()

{

    int n=195,m;

    m=n%10;

    printf("Unit digit of the number is : %d",m);

    return 0;

}

2.

#include<stdio.h>

int main()

{

    int n=195,m;

    m=n/10;

    printf("Number without its last digit is : %d",m);

    return 0;

}

3.

#include<stdio.h>

int main()

{

    int n,m,p; //using a third variable

    printf("Enter two numbers : ");

    scanf("%d %d",&n,&m);

    printf("Values before swapping are n = %d and m = %d",n,m);

    p=n;

    n=m;

    m=p;

    printf("\nValues after swapping are n = %d and m = %d",n,m);

    return 0;

}

4.

#include<stdio.h>

int main()

{

    int n,m; //without using third variable

    printf("Enter two numbers : ");

    scanf("%d %d",&n,&m);

    printf("Values before swapping are n = %d and m = %d",n,m);

    n=n+m;

    m=n-m;

    n=n-m;

    printf("\nValues after swapping are n = %d and m = %d",n,m);

    return 0;

}

5.

#include<stdio.h>

int main()

{

    int b,sum=0,rem=0;

    printf("Enter a three digit number : ");

    scanf("%d",&b);

    rem=b%10;

b=b/10;

sum= sum+rem;

rem=b%10;

b=b/10;

sum= sum+rem;

rem=b%10;

b=b/10;

sum= sum+rem;

    printf("Sum of the digits of the number is : %d",sum);

    return 0;

}

6.

#include<stdio.h>

int main()

{

    char x;

    printf("Enter a character : ");

    scanf("%c",&x);

    printf("ASCII code of the character is : %d",x);

    return 0;

}

7.

#include<stdio.h>

int main()

{

    int n,m,count=0;

    printf("Enter a number : ");

    scanf("%d",&n);

    do

    {

        m=n&1;

        count++;

        if(m==1)

            printf("%d",count);

        n=n>>1;

    }while(m!=1);

    return 0;

}

8.

#include<stdio.h>

int main()

{

    int n;

    printf("Enter a number : ");

    scanf("%d",&n);

    if(n&1==1)

        printf("ODD");

    else

        printf("EVEN");

    return 0;

}

9.

#include<stdio.h>

int main()

{

    printf("Size of int type variable is = %d bytes",sizeof(int));

    printf("\nSize of char type variable is = %d bytes",sizeof(char));

    printf("\nSize of float type variable is = %d bytes",sizeof(float));

    printf("\nSize of double type variable is = %d bytes",sizeof(double));

    return 0;

}

10.

#include<stdio.h>

int main()

{

    int b;

    printf("Enter a number : ");

    scanf("%d",&b);

    b=(b/10)\*10;

    printf("The number with last digit as 0 is : %d",b);

    return 0;

}

11.

#include<stdio.h>

int main()

{

    int num,digit;

    printf("Enter a number : ");

    scanf("%d %d",&num,&digit);

    num=(num\*10)+digit;

    printf("Resulting number is : %d",num);

    return 0;

}

12.

#include<stdio.h>

int main()

{

    float n,usd;

    printf("Enter amount in INR : ");

    scanf("%f",&n);

    usd=n/76.23;

    printf("%.2f INR in USD is : %.2f USD",n,usd);

    return 0;

}

13.

#include<stdio.h>

int main()

{

    int n,m;

    printf("Enter a three digit number : ");

    scanf("%d",&n);

    m=(n>>1);

    printf("After rotating by a digit to the right : %d",m);

    return 0;

}