1.Finding whether the given integer is odd or even.

C PROGRAMMING:

#include<stdio.h>

int main()

{

int n;

printf("enter a number ");

scanf("%d",&n);

if(n%2==0)

{

printf("even");

}

else

{

printf("odd");

}

}

2.Finding the given integer is positive or negative .

C PROGRAMMING:

#include<stdio.h>

int main()

{

int n;

printf("enter a number");

scanf("%d",&n);

if(n>0 && int(n))

{

printf("%d is a positive integer",n);

}

else

{

printf("%d is not a positive integer",n);

}

}

3.Generation of Fibonacci series 0, 1, 1, 2, 3, 5, 8, …..n .

C PROGRAMMING:

#include<stdio.h>

int main()

{

int n1=0,n2=1,n3,i,num;

printf("enter a number");

scanf("%d",&num);

printf("%d\n%d\n",n1,n2);

for(i=2;i<num;i++)

{

n3=n1+n2;

printf("%d\n",n3);

n1=n2;

n2=n3;

}

}

4.Product series (Factorial of a given number).

C PROGRAMMING:

#include<stdio.h>

int main()

{

int n,fact=1,i;

printf("enter a number ");

scanf("%d",&n);

for(i=1;i<=n;i++)

{

fact\*=i;

}

printf("factorial of %d=%d",n,fact);

}

5.Finding given number is Armstrong or not .

C PROGRAMMING:

#include<stdio.h>

int main()

{

int n,temp,r,sum=0;

printf("enter a number");

scanf("%d",&n);

temp=n;

while(n>0)

{

r=n%10;

sum=sum+r\*r\*r;

n=n/10;

}

if(temp==sum)

{

printf("given number is a armstrong",n);

}

else

{

printf("given number is not a armstrong",n);

}

}

6.Summing up any n numbers and finding average .

C PROGRAMMING:

#include<stdio.h>

int main()

{

int n,i,sum=0;

float avg;

printf("enter a number");

scanf("%d",&n);

for(i=1;i<=n;i++)

{

sum+=i;

}

avg=sum/n;

printf("sum=%d\n",sum);

printf("avg=%f",avg);

}

7.Printing digits of an integer number .

C PROGRAMMING:

#include<stdio.h>

int main()

{

int n,d;

printf("enter a number ");

scanf("%d",&n);

while(n!=0)

{

d=n%10;

n=n/10;

printf("%d\n",d);

}

return 0;

}

8.Summing up the digits of an integer number.

C PROGRAMMING:

#include<stdio.h>

int main()

{

int n,sum=0,r;

printf("enter a number ");

scanf("%d",&n);

while(n>0)

{

r=n%10;

sum=sum+r;

n=n/10;

}

printf("sum of digits=%d",sum);

}

9.Revering the digits of an integer number.

C PROGRAMMING:

#include<stdio.h>

int main()

{

int n,r,sum=0;

printf("enter a number ");

scanf("%d",&n);

while(n!=0)

{

r=n%10;

sum=sum\*10+r;

n=n/10;

}

printf("reverse of given number=%d",sum);

return 0;

}

10.Finding the given integer is positive or negative .

C PROGRAMMING:

#include<stdio.h>

int main()

{

int n;

printf("enter a number ");

scanf("%d",&n);

if(n>0)

{

printf("%d is a positive integer",n);

}

else

{

printf("%d is a negative integer ",n);

}

return 0;

}

11.Swapping two numbers with a temporary variable.

C PROGRAMMING:

#include<stdio.h>

int main()

{

int n1,n2,temp;

printf("enter first number ");

scanf("%d",&n1);

printf("enter second number ");

scanf("%d",&n2);

temp=n1;

n1=n2;

n2=temp;

printf("n1=%d\n",n1);

printf("n2=%d",n2);

}