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");

}

}

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);

}

}

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;

}

}

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);

}

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);

}

}

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);

}

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;

}

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);

}

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;

}

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;

}

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);

}