$ Program to print sum of 10 numbers :

#include <stdio.h>

int main()

{

int a[10],sum=0;

printf("Enter 10 numbers : ");

for(int i=0;i<10;i++)

{

scanf("%d",&a[i]);

}

for(int j=0;j<10;j++)

{

sum=sum+a[j];

}

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

return 0;

}

$Program to find factorial of a number using function

#include<stdio.h>

int fact(int); //function prototyping

int main()

{

int num,factorial;

printf("Enter a number : ");

scanf("%d",&num);

factorial = fact(num);

printf("Factorial of %d is %d",num,factorial);

return 0;

}

int fact(int a)

{

int b=1;

for(int i=1;i<=a;i++)

{

b=b\*i;

}

return b;

}

$ Program to take string from user and print it

#include<stdio.h>

int main()

{

char name[10];

printf("Enter your name : ");

scanf("%s",name);

printf("Hello %s",name);

return 0;

}

$Program to print 10 numbers using while and for loop

#include<stdio.h>

int main()

{

int j=1;

while(j<=10)

{

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

j++;

}

for(int i=1;i<=10;i++)

{

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

}

return 0;

}

$ Program to take an array from user and print it

#include<stdio.h>

int main()

{

int n;

printf("Enter size of array : \n");

scanf("%d",&n);

int num[n];

printf("Enter %d numbers : ",n);

for(int i=0;i<n;i++)

{

scanf("%d",&num[i]);

}

printf("\n\nNumbers you entered are : \n");

for(int j=0;j<n;j++)

{

printf("%d\n",num[j]);

}

return 0;

}

$ Program to add two numbers using parameterized function with return value

#include<stdio.h>

int add(int a,int b)//formal args

{

int c=a+b;

return c;

}

int main()

{

int num1,num2,sum;

printf("Enter two numbers : ");

scanf("%d%d",&num1,&num2);

sum = add(num1,num2); //actual args

printf("Sum is %d",sum);

return 0;

}