**Program 1**

//Program to create, initialize and use pointer

#include<stdio.h>

#include<conio.h>

void main()

{

void Sum(int \*,int \*);

int a,b;

printf("Enter the Two value to add them");

scanf("%d%d",&a,&b);

Sum(&a,&b);

getch();

}

void Sum(int \*ptr1,int \*ptr2)//Creating and Initializing the pointer

{

int c;

c=\*ptr1+(\*ptr2);

printf("The Sum of the two Numbers => %d",c);

}

**Program 2**

//Write a program to function interchange to swap the value

#include<stdio.h>

#include<conio.h>

void main()

{

void Swap(int \*,int \*);

int a,b;

clrscr();

printf("Enter the Two value for the Swap");

scanf("%d%d",&a,&b);

Swap(&a,&b);

printf("After Swap the value of a=>%d and b=>%d",a,b);

getch();

}

void Swap(int \*ptr1,int \*ptr2)

{

int temp;

temp=\*ptr1;

\*ptr1=\*ptr2;

\*ptr2=temp;

}

**Program 3**

//Write a program to add two Number

#include<stdio.h>

#include<conio.h>

void main()

{

void Sum(int \*,int \*);

int a,b;

printf("Enter the Two value to add them");

scanf("%d%d",&a,&b);

Sum(&a,&b);

getch();

}

void Sum(int \*ptr1,int \*ptr2)//Creating and Initializing the pointer

{

int c;

c=\*ptr1+(\*ptr2);

printf("The Sum of the two Numbers => %d",c);

}

**Program 4**

//Write a program to input and print array using Pointer

#include<stdio.h>

#include<conio.h>

void main()

{

void printArray(int \*,int);

int x[10],i;

int \*p;

clrscr();

p=x;

printf("Enter the 10 Elements of the Array\n");

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

{

scanf("%d",(p+i));

}

printArray(x,10);

getch();

}

void printArray(int \*p,int n)

{

int i;

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

{

printf("%d ",\*(p+i));

}

}

**Program 5**

//Write a program to search an element in array using pointer

#include<stdio.h>

#include<conio.h>

void main()

{

void checkElement(int \*,int \*,int);

int ar[10],i,n;

clrscr();

printf("Enter the Elements in Array");

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

{

printf("\nEnter ar[%d]=",i);

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

}

printf("Enter the Number to search");

scanf("%d",&n);

checkElement(ar,&n,10);

getch();

}

void checkElement(int \*p,int \*n1,int n)

{

int flag=0,i;

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

{

if(\*n1==\*(p+i))

{

flag=1;

}

}

if(flag==1)

{

printf("\nThe Number is Found");

}

else

printf("The Number is Not Found");

}