NAME: Abhiram S

ROLL NO: 21003

EXP-18

---------------------------------CODE------------------------------------

#include<stdio.h>

#include<conio.h>

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

void swapv(int,int);

void main()

{

int n1,n2;

clrscr();

printf("\n Enter two values:");

scanf("%d %d",&n1,&n2);

printf("\n Swapping by passing by value:");

swapv(n1,n2);

printf("\n the values in main function: %d %d",n1,n2);

printf("\n swapping by passing by reference:");

swapr(&n1,&n2);

printf("\n the values in main function:%d %d",n1,n2);

getch();

}

void swapr(int \*n1,int \*n2)

{

int temp;

temp=\*n1;

\*n1=\*n2;

\*n2=temp;

printf("\n the values in function %d %d",\*n1,\*n2);

}

void swapv(int n1,int n2)

{

int temp;

temp=n1;

n1=n2;

n2=temp;

printf("\n the values in function :%d %d",n1,n2);

}

--------------------------------------------------OUTPUT-------------------------------------------------------

Enter two values:3 2

Swapping by passing by value:

the values in function :2 3

the values in main function: 3 2

swapping by passing by reference:

the values in function 2 3

the values in main function:2 3