**PROGRAMS :** To use the reference variables as aliases in the program

//Using reference variables to swap between two variables

#include<iostream>

using namespace std;

void swapnum(int &a,int &b){

int temp=b;

b=a;

a=temp;

}

void swapnum(double &a,double &b){

double temp=b;

b=a;

a=temp;

}

void swapnum(char &a,char &b){

char temp=b;

b=a;

a=temp;

}

int main()

{

int a1,b1;

double a2,b2;

char a3,b3;

cout<<"Enter two integers "<<endl;

cin>>a1>>b1;

cout<<"Enter the two double "<<endl;

cin>>a2>>b2;

cout<<"Enter the two characters "<<endl;

cin>>a3>>b3;

cout<<"The value of a1 = "<<a1<<" and b1 ="<<b1<<endl;

swap(a1,b1);

cout<<"after swap-> The value of a1 ="<<a1<<" and b1 ="<<b1<<endl;

cout<<"The value of a2 = "<<a2<<" and b2 ="<<b2<<endl;

swap(a2,b2);

cout<<"after swap-> The value of a2 ="<<a2<<" and b2 ="<<b2<<endl;

cout<<"The value of a3 = "<<a3<<" and b3 ="<<b3<<endl;

swap(a3,b3);

cout<<"after swap-> The value of a3 ="<<a3<<" and b3 ="<<b3<<endl;

return 0;

}

Input/Output:

