**/\* Program No. :**

**Aim : WAP to calculate the absolute value of any integer or floating point number through a single function using function template.**

**\*/**

#include<iostream.h>

#include<conio.h>

template <class typea>

typea abs(typea n)

{

return((n<0)?-n:n);

}

void main()

{

int n,choice1;

float f;

char choice2;

do

{

clrscr();

cout<<"\n\n\t\t\t\tMENU"

<<"\n\n\t1. Absolute value of Integer"

<<"\n\t2. Absolute value of Float"

<<"\n\t3. Exit";

cout<<"\n\n\tEnter your choice (1-3) : ";

cin>>choice1;

switch(choice1)

{

case 1:cout<<"\n\n\t\tEnter the number : ";

cin>>n;

cout<<"\n\t\tAbsolute value of "<<n<<" = "<<abs(n);

cout<<"\n\n\tWant to continue (y/n) : ";

cin>>choice2;

break;

case 2:cout<<"\n\n\t\tEnter the number : ";

cin>>f;

cout<<"\n\t\tAbsolute value of "<<f<<" = "<<abs(f);

cout<<"\n\n\tWant to continue (y/n) : ";

cin>>choice2;

break;

case 3:break;

default:cout<<"\n\n\t\tIncorrect Choice"

<<"\n\t\tPress any key to continue";

choice2='y';

}

}while(choice2=='y'||choice2=='Y');

getch();

}

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