**“PROGRAMING TASKS”**

**LAB # 2**



**Spring 2020**

**CSE102L Computer Programming Lab**

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“On my honor, as student of University of Engineering and Technology, I have neither given nor received unauthorized assistance on this academic work.”

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Submitted to:

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**TASK NO 1**

**Write a program that take temperature in Fahrenheit and convert it Celsius and kelvin.**

#include<iostream>

using namespace std;

int main() {

int a;

float c=a-32/1.8;

float k=c+273;

cout<<"ENTER TEMP VALUE"<<endl;

cin>>a;

cout<<"TEMP VALUE IN CELSIUS IS"<<endl;

cout<<a-32/1.8<<endl;

cout<<"TEMP VALUE IN KELVIN IS"<<endl;

cout<<c+273<<endl;

**TASK NO 2**

**Write a program to take a,b,c,d,e from user ad display the output according to eqation.**

#include<iostream>

using namespace std;

int main(){

int a,b,c,d,e;

cout<<"ENTER VALUES"<<endl;

cin>>a>>b>>c>>d>>e;

cout<<"ANSWER IS"<<a\*a\*a+b\*b\*a-b\*d\*e-10;

}

**TASK NO 3**

**Write a program to declare two integer and one float variable and initialize them to 10,15,12.6 and display values.**

#include<iostream>

using namespace std;

int main(){

int a,b;

float c;

a=10;

b=15;

c=12.6;

cout<<a<<endl<<b<<endl<<c<<endl;

return 0;

}

**TASK NO 4**

**Write a program to prompt the user to input 3 integer value and print it in forward and reverse order.**

#include<iostream>

using namespace std;

main()

{

int no,e=0,r,a;

cout<<"ENTER A NUM"<<endl;

cin>>no;

cout<<"NUM IN FORWARD ORDER IS\n"<<no<<endl;

a=no;

while (no>0)

{

r=no%10;

e=e\*10+r;

no= no/10;

cout<<"\nNUM IN REVERSE ORDER"<<a<<" IS"<<e<<endl;

}

**TASK NO 5**

**Write a program to swap two variable values . (By using third variable**)

#include<iostream>

using namespace std;

int main () {

int x,y

int temp;

x=10;

y=8;

temp=x;

x=y;

y=temp;

cout<<"x"<<" = "<<x<<endl;

cout<<"y"<<" = "<<y<<endl;

}

**TASK NO 5 (**Without using third variable)

#include<iostream>

using namespace std;

int main()

{

int a,b;

a=5;

b=4;

cout<<"before swap\n";

cout<<"a"<<"="<<a<<endl<<"b"<<"="<<b<<endl;

a=a+b;

b=a-b;

a=a-b;

cout<<"after swap\n";

cout<<"a"<<" = "<<a<<endl;

cout<<"b"<<" = "<<b<<endl;

}

**TASK NO 6**

**Write a program to print the size of char, float,double and long double datatypes In C**

#include<stdio.h>

#include<conio.h>

int main()

{

int a;

float f;

char c;

double d;

long double l;

printf("size of int: %d bytes\n",sizeof(a));

printf("size of float: %d bytes\n",sizeof(f));

printf("size of char: %d bytes\n",sizeof(c));

printf("size of double: %d bytes\n",sizeof(d));

printf("size of long double: %d bytes\n",sizeof(l));

getch();

}