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19l-1316

Introduction to computing lab:

Lab Report No 3:

**Introduction to Visual Studio 2012 and C++ Basics:**

**OBJECTIVE:**

 To be able to use Visual Studio for compiling simple C++ Programs.

 To be able to understand I/O environment in C++

 To get familiar with data types

 To be able to understand and solve a programming problem using C++ arithmetic expressions.

**Microsoft Visual Studio tutorial:**

**Q no 1:**

#include <iostream>

using namespace std;

int main()

////{

//// cout<<"hello world\n";

////}

Q no 1:

////{

//// cout<<"\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\n";

//// cout<<"Hafiz Ahmad\t"<<"19L-1316\t"<<"electrical enggenering\t"<<"2nd\n";

//// cout<<"\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\n";

////}

Q no 2:

////{

//// int a,b,c;

//// a=1;

//// b=2;

//// c=3;

//// cout<<"a\t"<<"b\t"<<"c\n";

//// cout<<a\*2<<"\t"<<b\*2<<"\t"<<c\*2<<"\n";

//// cout<<a+3<<"\t"<<b+2<<"\t"<<c+2<<"\n";

////}

Qno 3:

////{

//// cout<<"\t \*\n";

//// cout<<"\t \*\*\n";

//// cout<<"\t \*\*\*\n";

//// cout<<"\t \*\*\*\*\n";

////}

Q no 4:

{

int a,b,c,d,e,f,g,h,i,j,k,l,m,n,o;

a=1;

b=a+1;

c=b+1;

d=c+1;

e=d+1;

f=e+1;

g=f+1;

h=g+1;

i=h+1;

j=i+1;

k=j+1;

l=k+1;

m=l+1;

n=m+1;

o=n+1;

cout<<a<<"\t"<<a\*a<<"\t"<<a\*a\*a<<"\n";

cout<<b<<"\t"<<b\*b<<"\t"<<b\*b\*b<<"\n";

cout<<c<<"\t"<<c\*c<<"\t"<<c\*c\*c<<"\n";

cout<<d<<"\t"<<d\*d<<"\t"<<d\*d\*d<<"\n";

cout<<e<<"\t"<<e\*e<<"\t"<<e\*e\*e<<"\n";

cout<<f<<"\t"<<f\*f<<"\t"<<f\*f\*f<<"\n";

cout<<g<<"\t"<<g\*g<<"\t"<<g\*g\*g<<"\n";

cout<<h<<"\t"<<h\*h<<"\t"<<h\*h\*h<<"\n";

cout<<i<<"\t"<<i\*i<<"\t"<<i\*i\*i<<"\n";

cout<<j<<"\t"<<j\*j<<"\t"<<j\*j\*j<<"\n";

cout<<k<<"\t"<<k\*k<<"\t"<<k\*k\*k<<"\n";

cout<<l<<"\t"<<l\*l<<"\t"<<l\*l\*l<<"\n";

cout<<m<<"\t"<<m\*m<<"\t"<<m\*m\*m<<"\n";

cout<<n<<"\t"<<n\*n<<"\t"<<n\*n\*n<<"\n";

cout<<o<<"\t"<<o\*o<<"\t"<<o\*o\*o<<"\n";

}

Post Lab:

Q no 1:

#include <iostream>

using namespace std;

int main()

{

cout<< "\t--------------/////---------------------\n";

cout<< "\t| R |\n";

cout<< "\t| |\n";

cout<<"\t(V) ---\n";

cout<< "\t| C \n";

cout<< "\t| ---\n";

cout<< "\t| |\n";

cout<< "\t| |\n";

cout<< "\t----------------------------------------\n";

}

Q no 2

{

float V;

float R;

float v;

float P;

cout<<"enter the voltage:"<<endl;

cin>>V;

cout<<"enter the resistace:"<<endl;

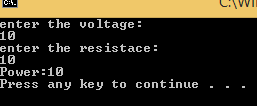
cin>>R;

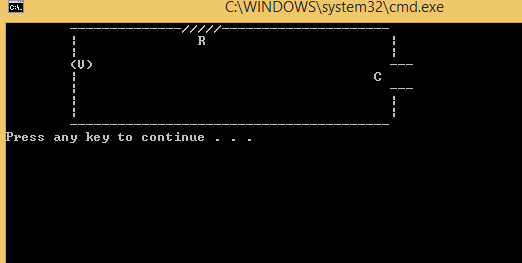
v=V\*V;

P=v/R;

cout<<"Power:"<<P<<endl;

}





**Conclusion:**

I this lab we learn bascis of programming and how cout and cin from user.