Lab manual 1

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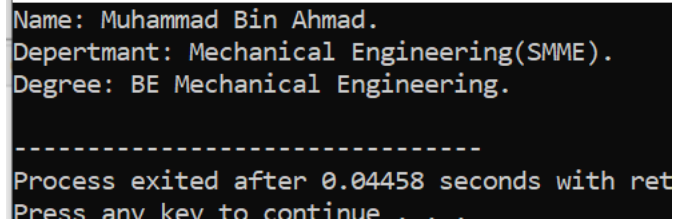```cpp
int main()   {

        cout<<"Name: Muhammad Bin Ahmad.\n";

        cout<<"Depertmant: Mechanical Engineering(SMME).\n";

        cout<<"Degree: BE Mechanical Engineering.\n";

}
```

```
Name: Muhammad Bin Ahmad.
Depertmant: Mechanical Engineering(SMME).
Degree: BE Mechanical Engineering.

------------------------------------
Process exited after 0.04458 seconds with ret
Press any key to continue
```

```cpp
int num1,num2;

cout<<"Input two numbers."<<endl;

cin>>num1>>num2;

cout<<"The sum of the numbers is "<<num1+num2<<endl;

cout<<"The difference of the numbers is "<<num1-num2<<endl;

cout<<"The product of the numbers is "<<num1*num2<<endl;

cout<<"The quotient of the numbers is "<<num1/num2<<endl;

cout<<"The squares of the numbers are "<<num1*num1<<" "<<num2*num2<<" respectively.";
```
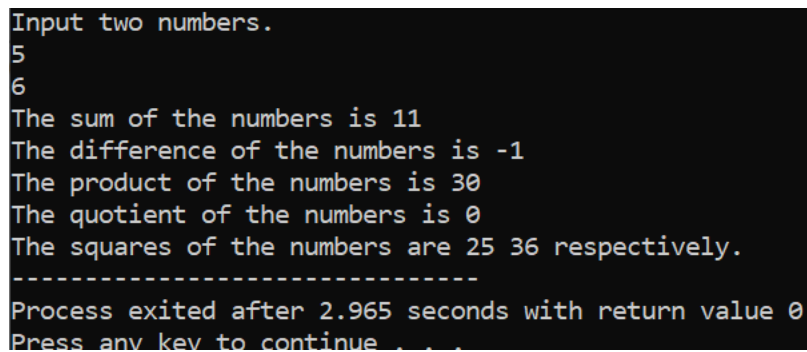
```
Input two numbers.
5
6
The sum of the numbers is 11
The difference of the numbers is -1
The product of the numbers is 30
The quotient of the numbers is 0
The squares of the numbers are 25 36 respectively.
------------------------------
Process exited after 2.965 seconds with return value 0
Press any key to continue . . .
```

```cpp
double radius;

double pi=3.142;

cout<<"Input radius.\n";

cin>>radius;
```

```
cout<<"The area of the circle is "<<radius*radius*pi<<endl;

cout<<"The circumference of the circle is "<<2*pi*radius;
```

```
Input radius.
5
The area of the circle is 78.55
The circumference of the circle is 31.42
------------------------------
Process exited after 3.866 seconds with return value 0
Press any key to continue . . .
```

```
int num1=0,num2=1,sum;

cout<<num1<<endl;

cout<<num2<<endl;

sum=num1+num2;

cout<<sum<<endl;

num1=num2;

num2=sum;

sum=num1+num2;

cout<<sum<<endl;

num1=num2;

num2=sum;

sum=num1+num2;

cout<<sum<<endl;

num1=num2;

num2=sum;

sum=num1+num2;

cout<<sum<<endl;

num1=num2;

num2=sum;

sum=num1+num2;
```

```
cout<<sum<<endl;

num1=num2;

num2=sum;

sum=num1+num2;

cout<<sum<<endl;
```

```
0
1
1
2
3
5
8
13

---------------------------------
Process exited after 0.118 seconds with return value 0
```