Fundamentals of programming

LAB TASK 4

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TASK 1

```cpp
#include<iostream>
using namespace std;
int main()
{
        int x,y(0);
        for(x=1;x<=10;x++)
        {
        y=y+x;
        }
        cout<<"value of y is :"<<y;
        return 0;
}
```
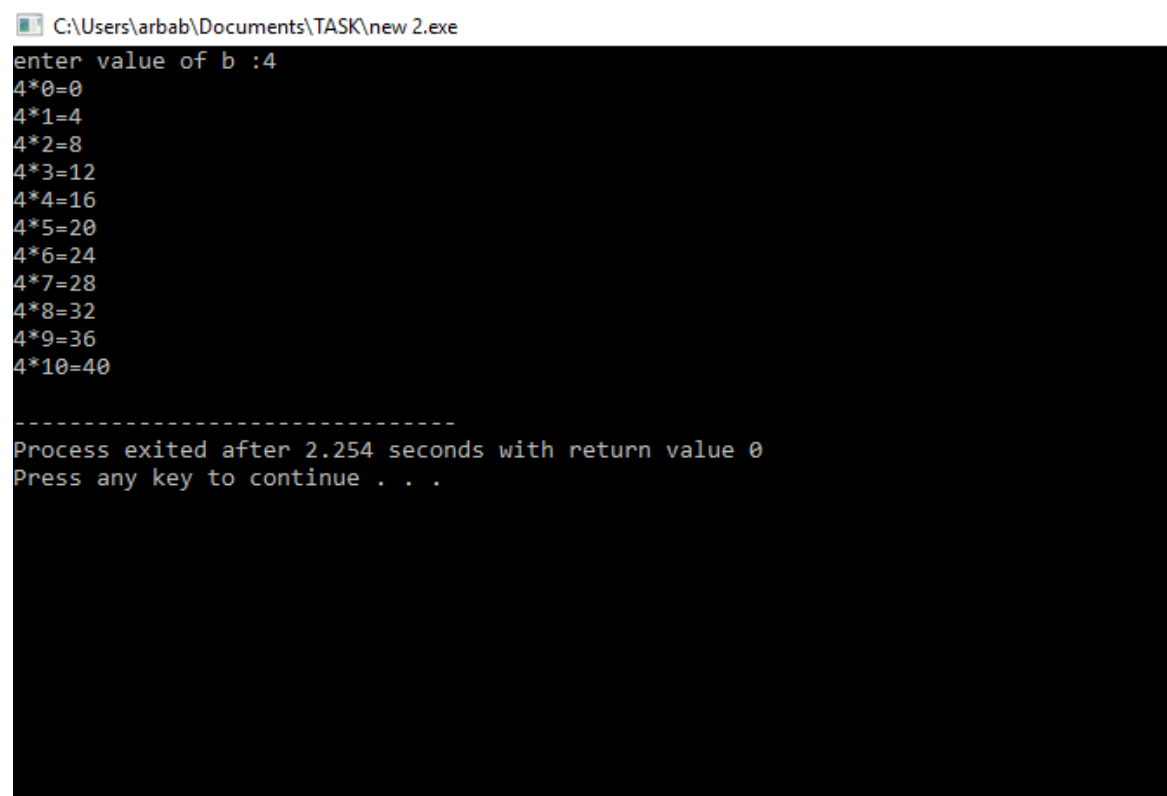
C:\Users\arbab\Documents\TASK\new 1.exe

```
value of y is :55
-------------------------------
Process exited after 0.3078 seconds with return value 0
Press any key to continue . . .
```

TASK 2

```cpp
#include<iostream>
using namespace std;
int main()
{
int a,b,c;
cout<<"enter value of b :";
cin>>b;
for(a=0;a<=10;a++)
{
c=b*a;
cout<<b<<"*"<<a<<"="<<c<<endl;
}
return 0;
}
```

```
enter value of b :4
4*0=0
4*1=4
4*2=8
4*3=12
4*4=16
4*5=20
4*6=24
4*7=28
4*8=32
4*9=36
4*10=40

-------------------------------
Process exited after 2.254 seconds with return value 0
Press any key to continue . . .
```

TASK 3

```cpp
#include<iostream>
using namespace std;
int main()
{
int x,y,z;
cout<<"enter the value of y:";
cin>>y;
z=y;
for(x=1;x<z;x++)
{
        y=y*x;

}
cout<<"factorial of entered number is :"<<y;
return 0;
}
```

C:\Users\arbab\Documents\TASK\new 3.exe

```
enter the value of y:4
factorial of entered number is :24
-------------------------------
Process exited after 1.874 seconds with return value 0
Press any key to continue . . .
```

TASK 4

```cpp
#include<iostream>
using namespace std;
int main()
{
        int x,y,a,c;
        cout<<"Value of x is:";
        cin>>x;
        cout<<"Value of y is:";
        cin>>y;
        cout<<x<<","<<y;
        for(a=0;a<6;a++)
        {
        c=x+y;
        x=y;
        y=c;
        cout<<","<<c;

        }
        return 0;
}
```

C:\Users\arbab\Documents\TASK\Untitled5.exe

```
Value of x is:3
Value of y is:4
3,4,7,11,18,29,47,76
-------------------------------
Process exited after 10.8 seconds with return value 0
Press any key to continue . . .
```