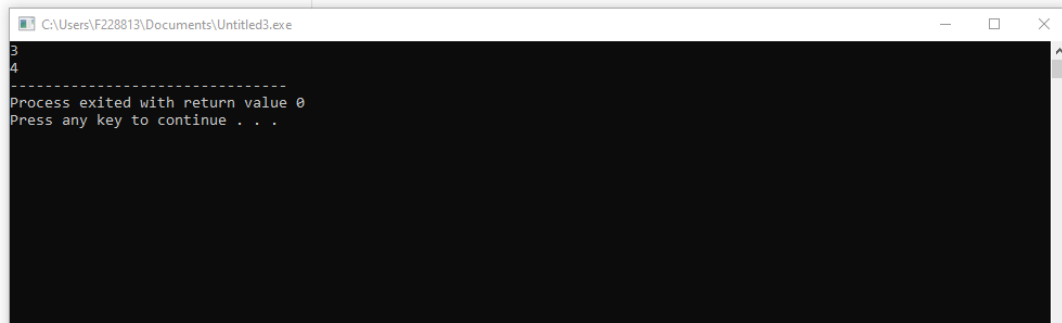Task1:

```cpp
#include<iostream>
int main()
{
        int num1;
        std::cin>>num1;
        num1=7-num1;
        std::cout<<num1;




}
```
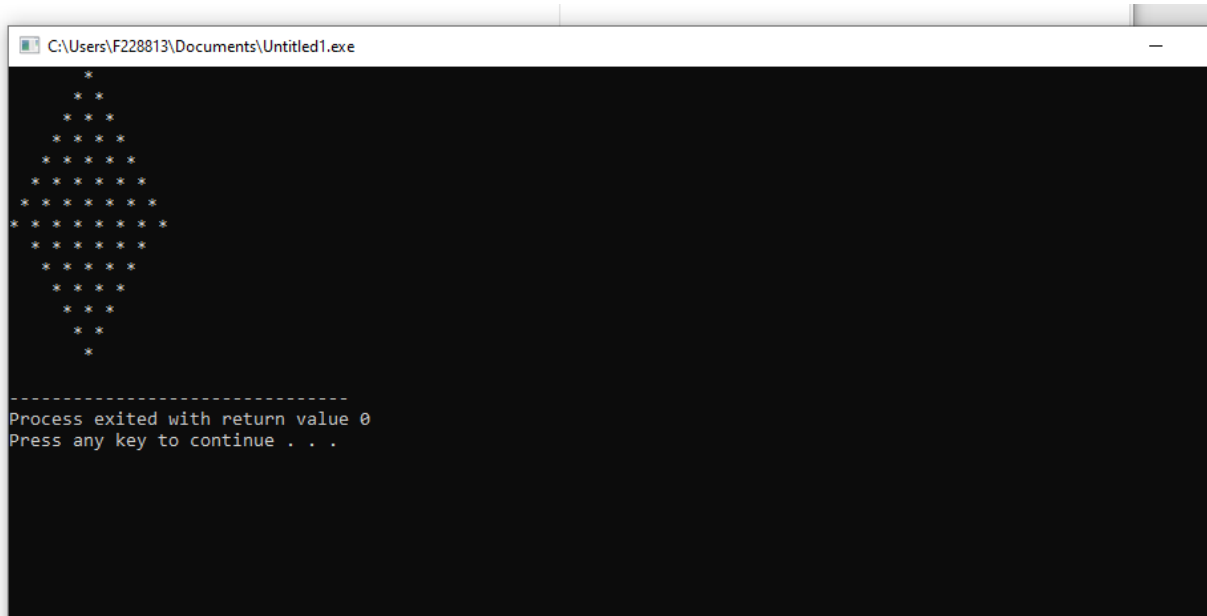

Task 2:

```cpp
#include<iostream>
#include<iomanip>
int main()
{
        std::cout<<setw(8)<<"*"<< std::endl;
        std::cout<<setw(8)<<"    * *"<< std::endl;
```

```cpp
        std::cout<<setw(8)<<"    * * *"<< std::endl;

        std::cout<<setw(8)<<"   * * * *"<< std::endl;

        std::cout<<setw(8)<<"  * * * * *"<< std::endl;

        std::cout<<setw(8)<<" * * * * * *"<< std::endl;

        std::cout<<setw(8)<<" * * * * * * *"<< std::endl;

        std::cout<<setw(8)<<"* * * * * * * *"<< std::endl;

        std::cout<<setw(8)<<" * * * * * *"<< std::endl;

        std::cout<<setw(8)<<"  * * * * *"<< std::endl;

        std::cout<<setw(8)<<"   * * * *"<< std::endl;

        std::cout<<setw(8)<<"    * * *"<< std::endl;

        std::cout<<setw(8)<<"     * *"<< std::endl;

        std::cout<<setw(8)<<"    *"<< std::endl;

}
```
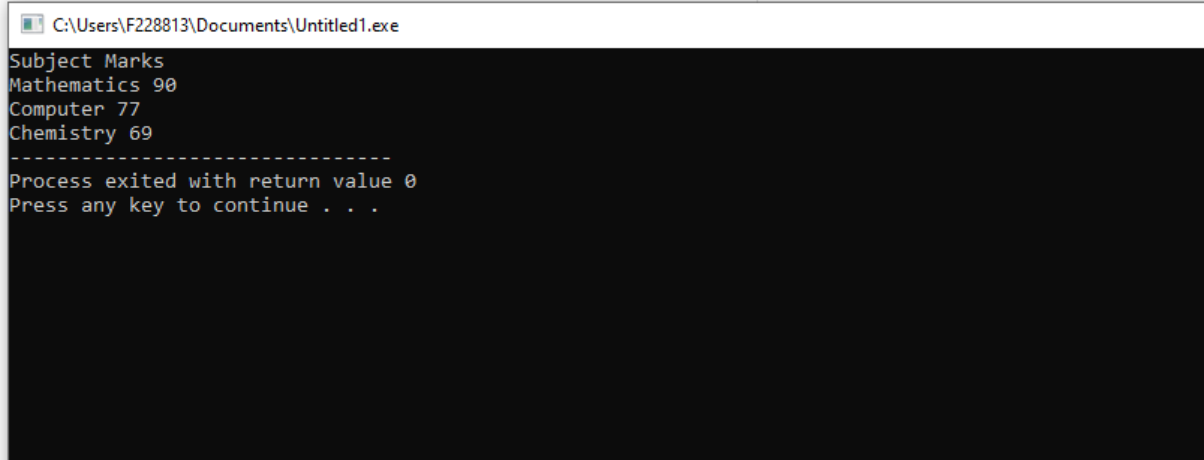

Task3:

```cpp
#include<iostream>

#include<iomanip>
```

```cpp
int main()

{

        std::cout<<"Subject Marks"<<"\nMathematics 90"<<"\nComputer 77"<<"\nChemistry 69";

}
```
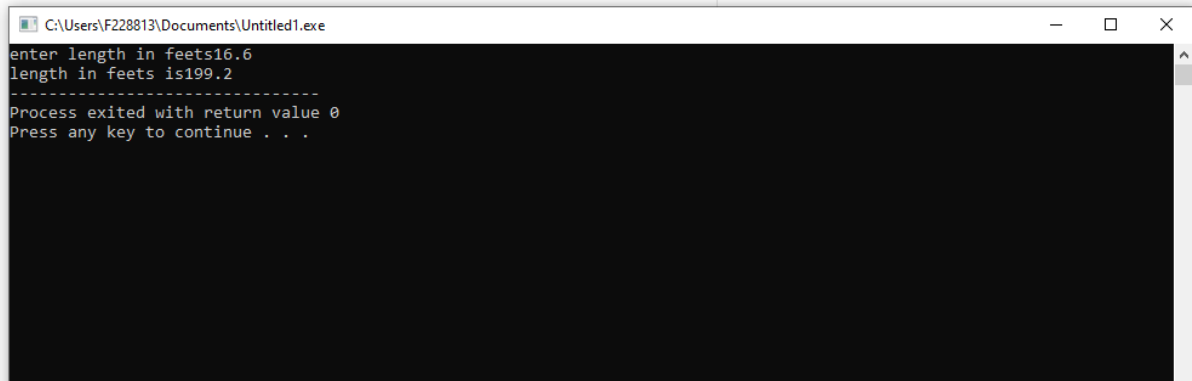
```
C:\Users\F228813\Documents\Untitled1.exe
Subject Marks
Mathematics 90
Computer 77
Chemistry 69
--------------------------------
Process exited with return value 0
Press any key to continue . . .
```

Task 4:

```cpp
#include<iostream>

#include<iomanip>

int main()

{

        float feet, inches;

        std::cout<<"enter length in feets";

        std::cin>>feet;

        inches=feet*12;

        std::cout<<"length in feets is"<<inches;

}
```

```
enter length in feets16.6
length in feets is199.2
-------------------------------
Process exited with return value 0
Press any key to continue . . .
```

Task 5:

```cpp
#include<iostream>

#include<iomanip>

int main()

{

        float years,amount,rate,interest;

        std::cout<<"enter years";

    std::cin>>years;

        std::cout<<"enter amount";

        std::cin>>amount;

        std::cout<<"enter rate";

        std::cin>>rate;

        interest=(amount*years*rate)/100;

        std::cout<<"your interest is"<< interest;

}
```

```
enter years13
enter amount23
enter rate53
your interest is158.47
--------------------------------
Process exited with return value 0
Press any key to continue . . .
```

Task 6:

#include<iostream>

#include<iomanip>

int main()

{

      int num;

      std::cout<<"enter num";

      std::cin>> num;

      std::cout<<std::setw(num) << num;

}

```
enter num12
          12
--------------------------------
Process exited with return value 0
Press any key to continue . . .
```
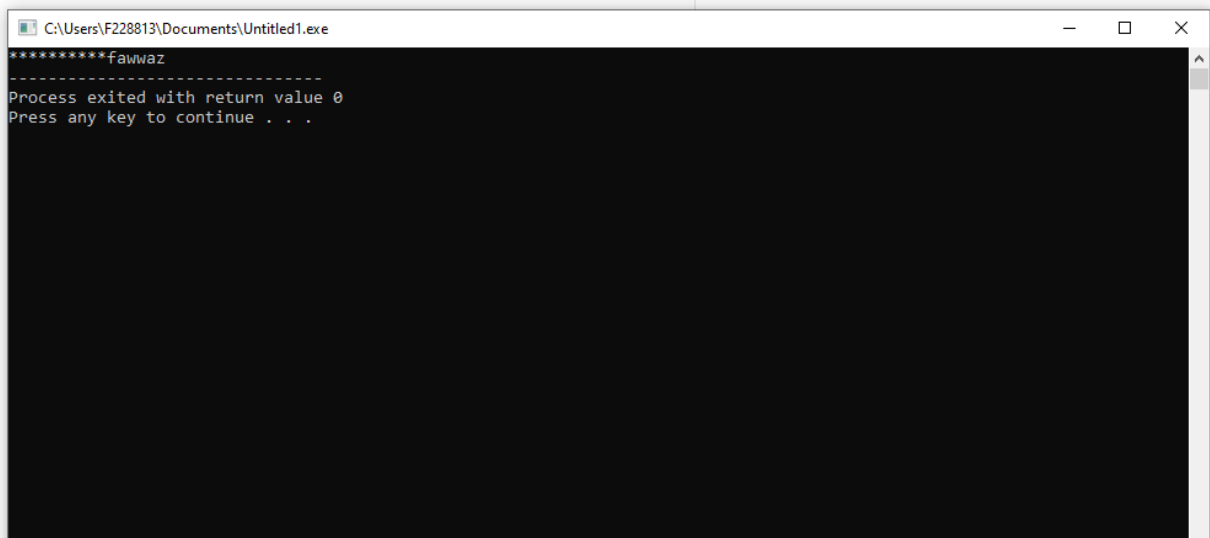
Task 7:

```cpp
#include<iostream>
#include<iomanip>
int main()
{

        std::cout<<std::setfill('*')<<std::setw(16)<<"fawwaz";

}
```



```
C:\Users\F228813\Documents\Untitled1.exe
**********fawwaz
--------------------------------
Process exited with return value 0
Press any key to continue . . .
```

Task 8:

```cpp
#include<iostream>
#include<iomanip>
int main()
{

        std::cout<<std::setw(20)<<"Name      contacts"<<std::endl;
        std::cout<<std::setw(20)<<"Hamza    0331665518"<<std::endl;
```
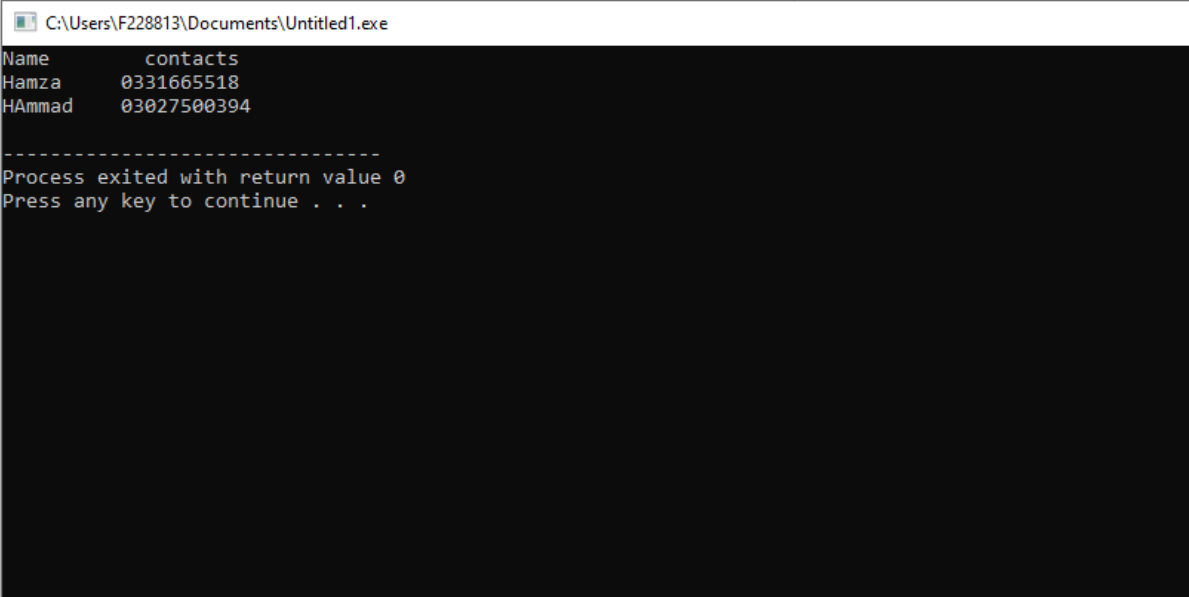
```
        std::cout<<std::setw(20)<<"HAmmad    03027500394"<<std::endl;

}
```



```
C:\Users\F228813\Documents\Untitled1.exe
Name        contacts
Hamza       0331665518
HAmmad      03027500394

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

Task 9:

```
#include<iostream>

#include<iomanip>

int main()

{

        std::cout<<std::setfill('X')<<std::setw(13)<<"7";

}
```

C:\Users\F228813\Documents\Untitled1.exe

XXXXXXXXXXX7

Process exited with return value 0
Press any key to continue . . .