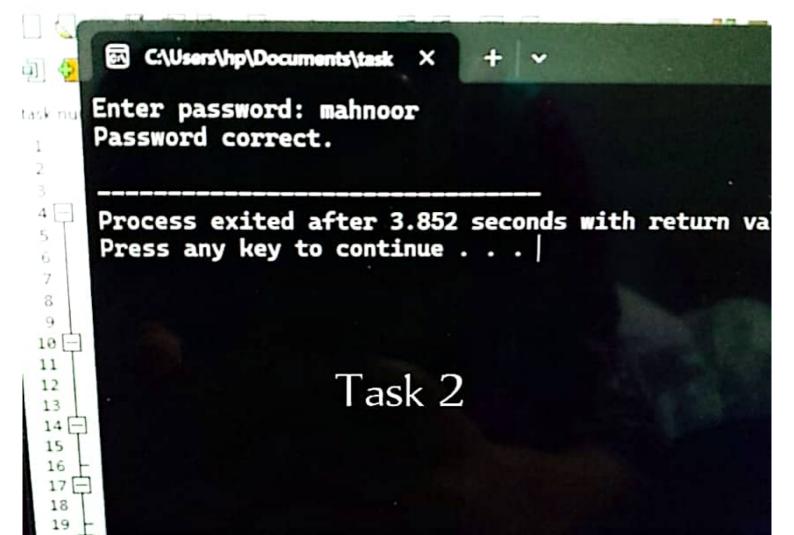
```
• 🗗 🗓
        (globals)
num 1 task.cpp
    #include<iostream>
 1
    using namespace std;
 3
    int main()
 4□ { int i;
 5
   for(i=2;i<=20;i+=3)
 6 □ {cout<<i<" ";
   - }return 0;
```

C:\Users\hp\Documents\num × + \
2 5 8 11 14 17 20

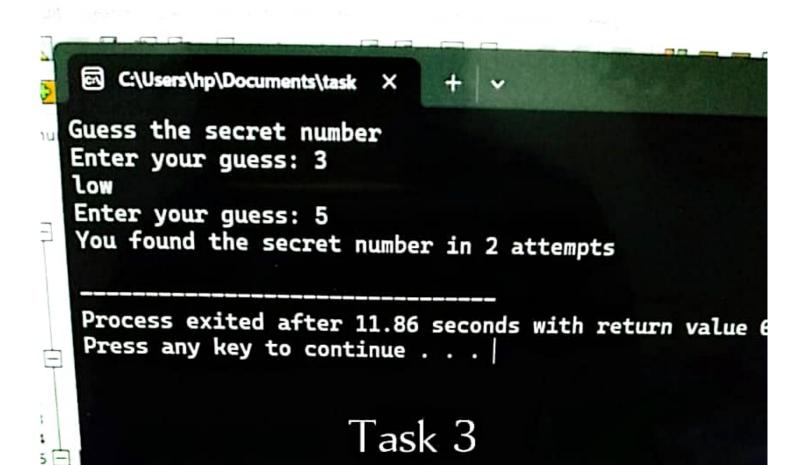
Process exited after 0.1455 seconds with return Press any key to continue . . .

Task 1

```
ask num 2.cpp [ ] Untitled2 [ ] Untitled3 task numb 2.cpp
     #include <iostream>
     #include <string>
2
     using namespace std;
3
4 -
    int main() {
5
6
          const string password = "mahnoor";
          const int maxAttempts = 3;
7
8
         string input;
 9
          int attempts = 0;
10 - do {
11
             cout << "Enter password: ";
12
              cin >> input;
13
              attempts++;
14 -
       if (input == password) {
15
                  cout << "Password correct.\n";
16
17 - else if (attempts == maxAttempts) {
                   cout << "Maximum attempts reached.\n";
18
 19
 20 -
       else {
                   cout << "Password incorrect.\n";
 21
 22
           } while (input != password && attempts < maxAttempts);
 23
 24
          return 8;
 25
```



```
## C ## 88 V :
(globals)
num 2.cpp [*] Untitled2 [*] Untitled3 task numb 2.cpp [*] task numb 3.cpp
  #include <iostream>
  using namespace std;
int main() {
      int secretNumber = 5;
      int Guess;
      int attempts - 0;
      cout << "Guess the secret number" << endl;
      while (true) {
          cout << "Enter your guesso ";
          cin >>Guess;
           attempts++;
    if (Guess == secretNumber)
[ ] { (cout a "You found the secret number in " << attempts << " attempts << end];
               break;}
   else if (Guess < secretNumber)
           {cout << "low" << endl; }
     else
           { cout << "high" << endl;}
      return 0;
```



6 7 8

```
#include <iostream>
  using namespace std;
  int main()
{ int choice;
 do { cout << "\nMenu\n";</pre>
          cout << "1. Print Hello\n";
          cout << "2. Print World\n";
           cout << "3. Exit\n";
           cout << "Enter your choice: ";
   cin >> choice;
  switch (choice) {
                   cout << "Hello" << endl;
                   break;
               case 2:
                   cout << "World" << endl;
                   break;
               case 3:
                   cout << "Exiting program. Bye" << endl;
                   break:
               default:
                   cout << "Invalid choice." << endl;
        } while (choice != 3);
        return 0;
```

```
Menu
 1. Print Hello
 2. Print World
 3. Exit
 Enter your choice: 1
                               Task 4
  Hello
  Menu
  1. Print Hello
  2. Print World
   3. Exit
   Enter your choice: 2
   World
   Menu
n Re 1. Print Hello
   2. Print World
    3. Exit
    Enter your choice: 3
    Exiting program. Bye
ipiler p
```

```
um 2.cpp [*] Untitled2 [*] Untitled3 task numb 2.cpp task numb 3.cpp the ti
 #include <iostream>
 using namespace std;
int main() [
     int n;
     cout << "Enter a non-negative integer: ";
     cin >> n;
 if (n < 0)
      {cout << "Error: Input should be non-negative."; }
else {
         int sumLoop = 0;
 for (int i = 1; i <= n; i++)
      { sumLoop += i * i;
         int sumFormula = (n * (n + 1) * (2 * n + 1)) / 6;
         cout << "Sum of squares using loop: " << sumLoop << endl;
      return 0;
  C:\Users\hp\Documents\the t X
Enter a non-negative integer: 3
Sum of squares using loop: 14
 Process exited after 3.83 seconds with return
 Press any key to continue .
```

Task 5