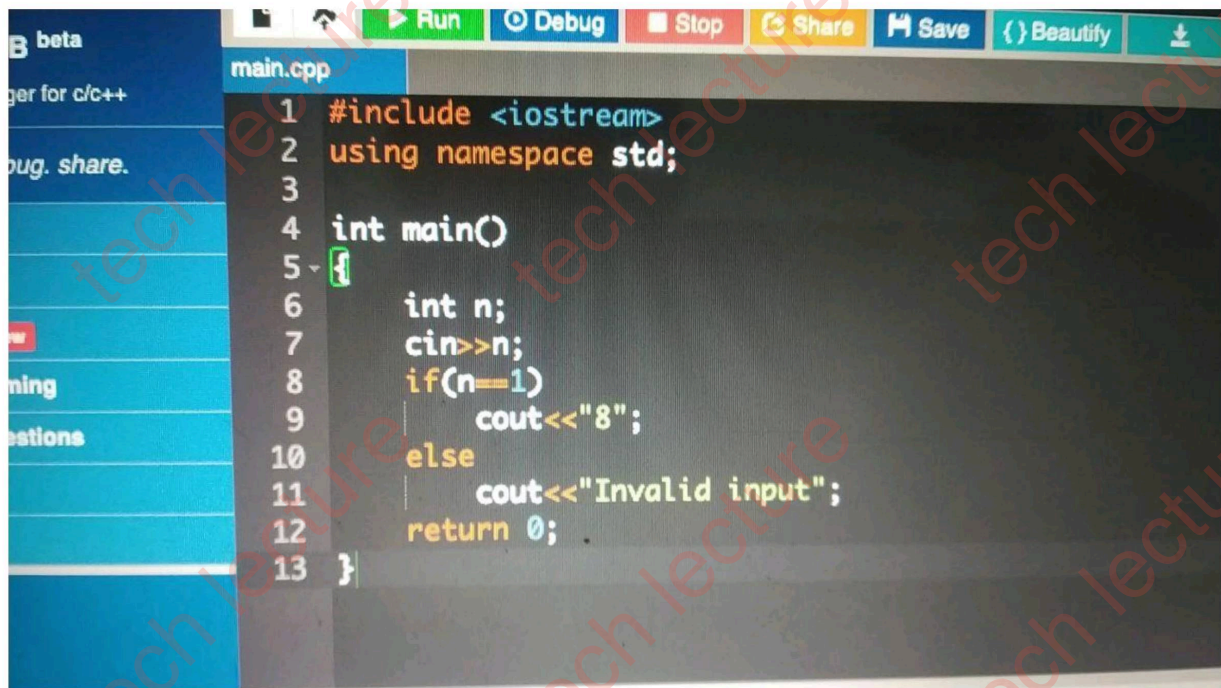
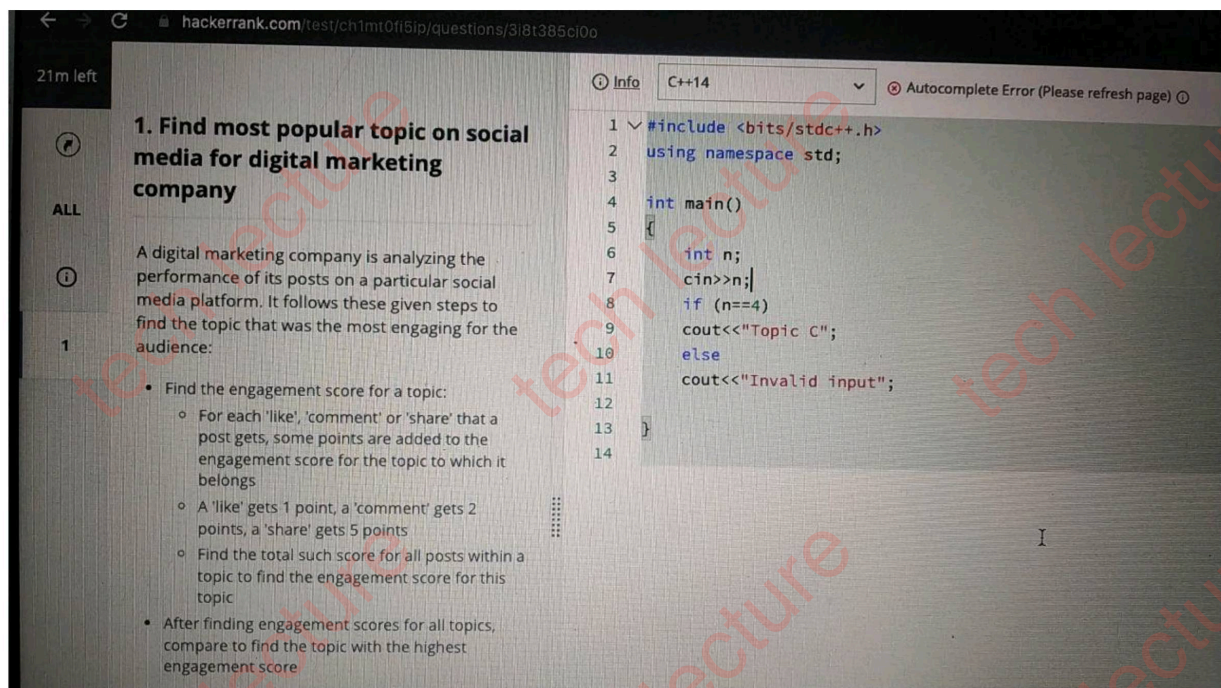


1. Number of words given on line code in C++



```
1 #include <iostream>
2 using namespace std;
3
4 int main()
5 {
6     int n;
7     cin>>n;
8     if(n==8)
9         cout<<"8";
10    else
11        cout<<"Invalid input";
12    return 0;
13 }
```

2. Find most popular topic on social media for digital marketing company



**1. Find most popular topic on social media for digital marketing company**

A digital marketing company is analyzing the performance of its posts on a particular social media platform. It follows these given steps to find the topic that was the most engaging for the audience:

- Find the engagement score for a topic:
  - For each 'like', 'comment' or 'share' that a post gets, some points are added to the engagement score for the topic to which it belongs
  - A 'like' gets 1 point, a 'comment' gets 2 points, a 'share' gets 5 points
  - Find the total such score for all posts within a topic to find the engagement score for this topic
- After finding engagement scores for all topics, compare to find the topic with the highest engagement score

```
1 #include <bits/stdc++.h>
2 using namespace std;
3
4 int main()
5 {
6     int n;
7     cin>>n;
8     if (n==4)
9         cout<<"Topic C";
10    else
11        cout<<"Invalid input";
12
13 }
```

### 3. DNA Decoding

BETA

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## 1. DNA Decoding

Dioxyribonucleic Acid (DNA) is a long molecule forming the genetics and is copied over the generations. One of the components of DNA is a nucleotide which has nucleobases:

1. Cytosine (C)
2. Guanine (G)
3. Adenine (A)
4. Thymine (T)

Combination of these nucleobases form a DNA. Consider this table for solving the problem below:

Info C++11 Autocomplete

```
1  #include <bits/stdc++.h>
2  using namespace std;
3  int main()
4  {
5      string codewithvirus;
6      cin>>codewithvirus;
7      if(codewithvirus=="00011011")
8          cout<<"CGAT";
9      else
10         cout<<"Invalid input";
11 }
12
13
14
```