main.cpp   task1_number_gu...

```cpp
#include<iostream>
#include<cstdlib>
#include<ctime>
#include<limits>
using namespace std;

int main()
{
    int number,guess;
    srand(time(0));
    number=rand()%100 +1;
    cout<<"Guess a number between 1 and 100 "<< endl;
    do{
        while(!(cout<<" Enter your guess: " && cin>> guess))
        {
            cout<<"Invalid input! Please enter a number."<<endl;
            cin.clear();
            cin.ignore(numeric_limits<streamsize>::max(),'\n');

        }
        if(guess>number){
        cout<<"Too high!"<<endl;}
        else if(guess<number){
        cout<<"Too low!"<<endl;}
        else{
        cout<<"Congratulations! you guessed correctly"<<endl;
        }
    }while(guess!= number);

    return 0;

}
```
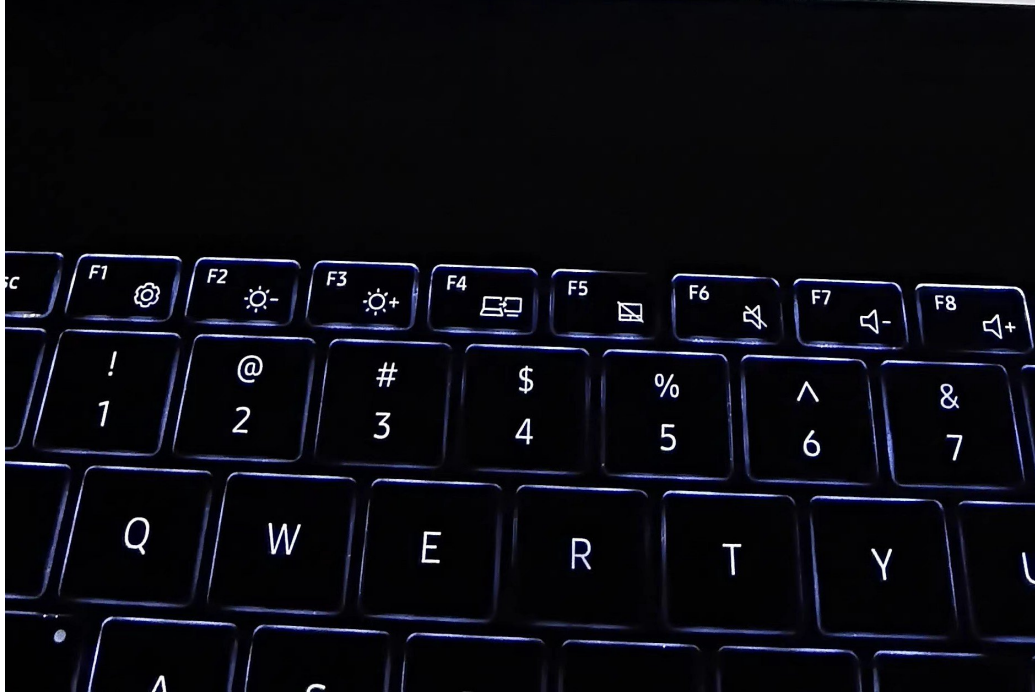
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7  int main()
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9      int number,guess;
10     srand(time(0));
11     number=rand()%100 +1;
12     cout<<"Guess a number between 1 and 100 "<< endl;
13     do{
14         while(!(cout<<" Enter your guess: " && cin>> guess))
15         {
16             cout<<"Invalid input! Please enter a number."<<endl;
17             cin.clear();
```

input

```
Guess a number between 1 and 100
 Enter your guess: 80
Too high!
 Enter your guess: 40
Too low!
 Enter your guess: 57
Too low!
 Enter your guess: []
```