

//Answer on Question#38662, Programming, C++

```
#include <iostream>
```

```
#include <ctime>
```

```
#include <cstdlib>
```

```
using namespace std;
```

```
int main()
```

```
{
```

```
    srand(time(NULL));
```

```
    int num = rand() % 10;
```

```
    int guess;
```

```
    do
```

```
    {
```

```
        cout << "Enter your guess : ";
```

```
        cin >> guess;
```

```
        switch ( abs(num-guess) )
```

```
        {
```

```
        case 0:
```

```
            cout << "Your guess is exactly correct" << endl;
```

```
            break;
```

```
        case 1:
```

```
        case 2:
```

```
            cout << "Your guess is within 2 of number" << endl;
```

```
            break;
```

```
        default:
```

```
            cout << "Your guess is incorrect" << endl;
```

```
            break;
```

```
        }  
    } while (num != guess);  
    //wait for Enter  
    cin.ignore();  
    cin.get();  
}
```