

Case 1: Too high, won

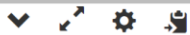
```
1 import random
2 # Generating a random number between 1 and 10
3 secret_number = random.randint(1, 10)
4 attempts = 0
5 while attempts < 3:
6     guess = int(input("Guess any number between 1 and 10: "))
7     if guess < secret_number:
8         print("Too low, try again!")
9     elif guess > secret_number:
10        print("Too high, try again!")
11    else:
12        print("Congratulations, You have guessed it right.")
13        break
14    attempts += 1
15 if attempts == 3:
16    print(f"You lost! The correct number was {secret_number}.")
```

input

```
Guess any number between 1 and 10: 5
Too high, try again!
Guess any number between 1 and 10: 3
Too high, try again!
Guess any number between 1 and 10: 2
Congratulations, You have guessed it right.
```

Case 2: Too low, won

```
1 import random
2 # Generating a random number between 1 and 10
3 secret_number = random.randint(1, 10)
4 attempts = 0
5 while attempts < 3:
6     guess = int(input("Guess any number between 1 and 10: "))
7     if guess < secret_number:
8         print("Too low, try again!")
9     elif guess > secret_number:
10        print("Too high, try again!")
11    else:
12        print("Congratulations, You have guessed it right.")
13        break
14    attempts += 1
15 if attempts == 3:
16    print(f"You lost! The correct number was {secret_number}.")
```



input

```
Guess any number between 1 and 10: 3
Too low, try again!
Guess any number between 1 and 10: 4
Congratulations, You have guessed it right.
```

Case 3: Too high and low, lost

```
1 import random
2 # Generating a random number between 1 and 10
3 secret_number = random.randint(1, 10)
4 attempts = 0
5 while attempts < 3:
6     guess = int(input("Guess any number between 1 and 10: "))
7     if guess < secret_number:
8         print("Too low, try again!")
9     elif guess > secret_number:
10        print("Too high, try again!")
11    else:
12        print("Congratulations, You have guessed it right.")
13        break
14    attempts += 1
15 if attempts == 3:
16    print(f"You lost! The correct number was {secret_number}.")
```

input

```
Guess any number between 1 and 10: 10
Too high, try again!
Guess any number between 1 and 10: 1
Too low, try again!
Guess any number between 1 and 10: 4
Too low, try again!
You lost! The correct number was 9.
```