

2.

Console

Console

You can test programs in this console.

```
1 sum = 0
2 for n in range(1, 11):
3     sum = sum + n
4 print(sum)
```

Run program

Enter input

Simple editor

Visualize

More actions... ▾

Program executed without crashing.

Program gave the following output:

55

3.

Console

Console

You can test programs in this console.

```
1 sum = 0
2 for n in range(1, 8):
3     sum = sum + n
4 print(sum)
```

Run program

Enter input

Simple editor

Visualize

More actions... ▾

Program executed without crashing.

Program gave the following output:

28

4.

a.

Console

Console

You can test programs in this console.

```
1 sum = 0
2 for n in range(1, 21):
3     sum = sum + n
4 print(sum)
```

Run program

Enter input

Simple editor

Visualize

More actions... ▾

Program executed without crashing.

Program gave the following output:

210

Console

You can test programs in this console.

```
1 sum_of_even = int(0)
2 for i in range(1,11):
3     even = 2 * i
4     sum_of_even += even
5 print(sum_of_even)
6
```

Run program

Enter input

Simple editor

Visualize

More actions...

Program executed without crashing.

Program gave the following output:

110

b.

Console

Console

You can test programs in this console.

```
1 sum_of_even = int(0)
2 sum_of_nat = int(0)
3 for i in range(1,11):
4     even = 2 * i
5     sum_of_even += even
6
7
8
9 for n in range(1,11):
10     sum_of_nat += n
11
12 result = sum_of_even / sum_of_nat
13 print("sum of the even natural numbers are", result, "times the sum of the natural
14
```

Run program

Enter input

Simple editor

Visualize

More actions...

Program executed without crashing.

Program gave the following output:

sum of the even natural numbers are 2.0 times the sum of the natural numbers

c.

Console

Console

You can test programs in this console.

```
1 sum_of_even = int(0)
2 sum_of_nat = int(0)
3 for i in range(1,6):
4     even = 2 * i
5     sum_of_even += even
6
7
8
9 for n in range(1,6):
10     sum_of_nat += n
11
12 result = sum_of_even / sum_of_nat
13 print("sum of the even natural numbers are", result, "times the sum of the natural
14
```

Run program

Enter input

Simple editor

Visualize

More actions...

Program executed without crashing.

Program gave the following output:

sum of the even natural numbers are 2.0 times the sum of the natural numbers

d.

5.

Console

Console

You can test programs in this console.

```
1 sum_of_num = int(0)
2 for i in range(2,22):
3     sum_of_num += i
4
5 print(sum_of_num)
```

Run program

Enter input

Simple editor

Visualize

More actions...

Program executed without crashing.

Program gave the following output:

230

6.

Console

You can test programs in this console.

```
1 sum_of_num = int(0)
2 sum_of_num2 = int(0)
3
4 for i in range(2,12):
5     sum_of_num += i
6     print(i, end = " ")
7 print()
8 print(sum_of_num)
9
10 for n in range(1,11):
11     sum_of_num2 += n
12     print(n, end = " ")
13 print()
14 print(sum_of_num2)
15
16 print("it is", sum_of_num - sum_of_num2, "greater than before")
```

Run program

Enter input

Simple editor

Visualize

More actions...

Program executed without crashing.

Program gave the following output:

```
2 3 4 5 6 7 8 9 10 11
65
1 2 3 4 5 6 7 8 9 10
55
it is 10 greater than before
```

7. Each number from 5-10 is 4 more than the numbers 1-6, so the sum will be 4 x 6 more

8.

Console

You can test programs in this console.


```
1 sum_of_num = int(0)
2 sum_of_num2 = int(0)
3
4 for i in range(2,12):
5     sum_of_num += i
6     print(i, end = " ")
7 print()
8 print(sum_of_num)
9
10 for n in range(1,11):
11     sum_of_num2 += n
12     print(n, end = " ")
13 print()
14 print(sum_of_num2)
15
16 print("it is", sum_of_num - sum_of_num2, "greater than before")
```

Run program

Enter input

Simple editor

Visualize

More actions... 

Program executed without crashing.

Program gave the following output:

```
2 3 4 5 6 7 8 9 10 11
65
1 2 3 4 5 6 7 8 9 10
55
it is 10 greater than before
```

9.

Console

You can test programs in this console.

```
1 def odd(x):
2     if x % 2 != 0:
3         return True
4     return False
5
6
7 for i in range(1,10):
8     if odd(i):
9         print(i)
10
```

Run program

Enter input

Simple editor

Visualize

More actions...

Program executed without crashing.

Program gave the following output:

```
1
3
5
7
9
```

10.

Console

You can test programs in this console.

```
1 sum_of_num = int(0)
2 def odd(x):
3     if x % 2 != 0:
4         return True
5     return False
6
7
8 for i in range(1,10):
9     if odd(i):
10         sum_of_num += i
11 print(sum_of_num)
12
```

Run program

Enter input

Simple editor

Visualize

More actions... ▾

Program executed without crashing.

Program gave the following output:

25


11.

Console

You can test programs in this console.

```
1 sum_of_num = int(0)
2 def odd(x):
3     if x % 2 != 0:
4         return True
5     return False
6
7
8 for i in range(1,12):
9     if odd(i):
10        sum_of_num += i
11        print(sum_of_num)
12
13 print(sum_of_num)
14
```

Run programEnter inputSimple editorVisualize

More actions... 

Program executed without crashing.

Program gave the following output:

```
1
4
9
16
25
36
```

12.

Console

You can test programs in this console.

```
1 sum_of_num = int(0)
2 def odd(x):
3     if x % 2 != 0:
4         return True
5     return False
6
7
8 for i in range(1,12):
9     if odd(i):
10        sum_of_num += i
11        print(sum_of_num)
12
13 print(sum_of_num)
14
```

Run program

Enter input

Simple editor

Visualize

More actions...

Program executed without crashing.

Program gave the following output:

```
1
4
9
16
25
36
```

It is often the square value of n.