python > day9 > task > 🐍 task5.py > ...
```python
1    #task 1
2    for i in range(1, 11):
3        print(i)
```

```
PS D:\karka>  & 'c:\Users\INDHUJA\AppData\Local\Programs\Python\Python313\python.exe' '
.debugpy-2025.8.0-win32-x64\bundled\libs\debugpy\launcher' '64107' '--' 'd:\karka\python
1
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```

```
5    #task 2
6    for i in range(2, 21, 2):
7        print(i)
```

```
PS D:\karka>  d:; cd 'd:\karka'; & 'c:\Users\INDHUJA\AppData\Local\Programs\Python\Python313\p
xtensions\ms-python.debugpy-2025.8.0-win32-x64\bundled\libs\debugpy\launcher' '64182' '--' 'd:
2
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12
14
16
18
20
PS D:\karka>
```

```python
#task 3
for i in range(1, 21, 2):
    print(i)
```

```python
#task 4
num = int(input("Enter a number: "))
factorial = 1
for i in range(1, num + 1):
    factorial *= i
print("Factorial of", num, "is", factorial)
```

```
PS D:\karka>  & 'c:\Users\INDHUJA\AppData\Local\Programs\Python\Python313\python.exe' 'c:\Users\
.debugpy-2025.8.0-win32-x64\bundled\libs\debugpy\launcher' '64477' '--' 'd:\karka\python\day9\tas
Enter a number: 45
Factorial of 45 is 119622220865480194561963161495657715064383733760000000000
```

```
20    #task 5
21    total = 0
22    for i in range(1, 101):
23        total += i
24    print("Sum of numbers from 1 to 100 is", total)
25
```

PROBLEMS   OUTPUT   DEBUG CONSOLE   **TERMINAL**   PORTS

```
PS D:\karka>  & 'c:\Users\INDHUJA\AppData\Local\Programs\Python\Python313\python.exe' 'c:\Users\INDHUJA\.vscode\extensions'
.debugpy-2025.8.0-win32-x64\bundled\libs\debugpy\launcher' '64477' '--' 'd:\karka\python\day9\task\task5.py'
Enter a number: 45
Factorial of 45 is 119622220865480194561963161495657715064383733760000000000
PS D:\karka> ^C
PS D:\karka>
PS D:\karka>  d:; cd 'd:\karka'; & 'c:\Users\INDHUJA\AppData\Local\Programs\Python\Python313\python.exe' 'c:\Users\INDHUJA'
xtensions\ms-python.debugpy-2025.8.0-win32-x64\bundled\libs\debugpy\launcher' '64522' '--' 'd:\karka\python\day9\task\task'
Sum of numbers from 1 to 100 is 5050
```

```python
#task 6
numbers = [10, 20, 30, 40, 50]
total = 0
for num in numbers:
    total += num
average = total / len(numbers)
print("Average:", average)

```

```
Enter a number: 45
Factorial of 45 is 1196222208654801945619631614956577150643837337600000000
PS D:\karka> ^C
PS D:\karka>
PS D:\karka>  d:; cd 'd:\karka'; & 'c:\Users\INDHUJA\AppData\Local\Progra
xtensions\ms-python.debugpy-2025.8.0-win32-x64\bundled\libs\debugpy\launc
Sum of numbers from 1 to 100 is 5050
PS D:\karka> ^C
PS D:\karka>
PS D:\karka>  d:; cd 'd:\karka'; & 'c:\Users\INDHUJA\AppData\Local\Progra
xtensions\ms-python.debugpy-2025.8.0-win32-x64\bundled\libs\debugpy\launc
Average: 30.0
```

```python
#task 7
rows = 5
for i in range(1, rows + 1):
    for j in range(i):
        print("*", end=" ")
    print()
```

```python
40
41    #task 8
42    for i in range(1, 6):
43        print(i)
44
45    #task 9
46    # for i in range(1, 11):
47    #     print(i)
48
49    #task 10
50    # numbers = [10, 20, 30, 40, 10]
51    # if numbers[0] == numbers[-1]:
52    #     print(True)
```

PROBLEMS   OUTPUT   DEBUG CONSOLE   TERMINAL   PORTS

```
8
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PS D:\karka> ^C
PS D:\karka>
PS D:\karka>  d:; cd 'd:\karka'; & 'c:\Users\INDHUJA\AppData\Local\Pro
xtensions\ms-python.debugpy-2025.8.0-win32-x64\bundled\libs\debugpy\la
1
2
3
4
5
```

```python
44
45   #task 9
46   for i in range(1, 11):
47       print(i)
48
```

```
PS D:\karka>  & 'c:\Users\INDHUJA\AppData\Local\Programs\Python\Python31
.debugpy-2025.8.0-win32-x64\bundled\libs\debugpy\launcher' '58873' '--'
1
2
3
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7
8
9
10
```

```python
48
49    #task 10
50    numbers = [10, 20, 30, 40, 10]
51    if numbers[0] == numbers[-1]:
52        print(True)
53    else:
54        print(False)
55
```

```
4
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6
7
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10
PS D:\karka> ^C
PS D:\karka>
PS D:\karka>  d:; cd 'd:\karka'; & 'c:\Users\INDHUJA\AppData\Local\Programs\Python\Python313\pyth
xtensions\ms-python.debugpy-2025.8.0-win32-x64\bundled\libs\debugpy\launcher' '58899' '--' 'd:\ka
True
```

```
56    #task 11
57    numbers = [10, 23, 45, 66, 75, 90]
58    for num in numbers:
59        if num % 5 == 0:
60            print(num)
```

PROBLEMS   OUTPUT   DEBUG CONSOLE   TERMINAL   PORTS

```
PS D:\karka>  & 'c:\Users\INDHUJA\AppData\Local\Programs\Python\Python313\pyt
.debugpy-2025.8.0-win32-x64\bundled\libs\debugpy\launcher' '58903' '--' 'd:\k
10
45
75
90
PS D:\karka>
```

```python
62    #task 12
63    char = input("Enter a character: ").lower()
64    if len(char) == 1:
65        if char in 'aeiou':
66            print(f"Output: {char} is a vowel.")
67        elif char.isalpha():
68            print(f"Output: {char} is a consonant.")
69        else:
70            print("Output: Invalid input. Please enter an alphabet character.")
71    else:
72        print("Output: Invalid input. Please enter a single character.")
73
```

```python
73
74    #Task 13
75    even_count = 0
76    odd_count = 0
77    for i in range(10, 56):
78        if i % 2 == 0:
79            even_count += 1
80        else:
81            odd_count += 1
82    print("Even numbers count:", even_count)
83    print("Odd numbers count:", odd_count)
```

```
85    #task 14
86    for i in range(1, 26):
87        if i % 5 != 0:
88            print(i, end=' ')
```

```
Output: a is a vowel.
PS D:\karka> ^C
PS D:\karka>
PS D:\karka>  d:; cd 'd:\karka'; & 'c:\Users\INDHUJA\AppData\Local\Programs\Python\Python313\pyth
xtensions\ms-python.debugpy-2025.8.0-win32-x64\bundled\libs\debugpy\launcher' '64556' '--' 'd:\ka
Even numbers count: 23
Odd numbers count: 23
PS D:\karka> ^C
PS D:\karka>
PS D:\karka>  d:; cd 'd:\karka'; & 'c:\Users\INDHUJA\AppData\Local\Programs\Python\Python313\pyth
xtensions\ms-python.debugpy-2025.8.0-win32-x64\bundled\libs\debugpy\launcher' '64635' '--' 'd:\ka
1 2 3 4 6 7 8 9 11 12 13 14 16 17 18 19 21 22 23 24
```

```python
#task 15
numbers = [3, 4, 5]  # You can change this list
for num in numbers:
    factorial = 1
    for i in range(1, num + 1):
        factorial *= i
    print(f"Factorial of {num} is {factorial}")
```

```python
97
98     #task 16
99     a = int(input("Enter first number: "))
100    b = int(input("Enter second number: "))
101    product = a * b
102    if product > 500:
103        result = a + b
104    else:
105        result = product
106
107    print("Result:", result)
```

```python
108
109    #task 17
110    a = int(input("Enter first number: "))
111    b = int(input("Enter second number: "))
112    if a > b:
113        print(f"{a} is greater.")
114    elif b > a:
115        print(f"{b} is greater.")
116    else:
117        print("Both numbers are equal.")
```

```python
#task 18
numbers = [12, -7, 5, -3, 8, -1]  # Example list
positive = []
negative = []
for num in numbers:
    if num >= 0:
        positive.append(num)
    else:
        negative.append(num)
print("Positive numbers:", positive)
print("Negative numbers:", negative)
```

PROBLEMS   OUTPUT   DEBUG CONSOLE   TERMINAL   PORTS

```
PS D:\karka>  & 'c:\Users\INDHUJA\AppData\Local\Programs\Python\Python313\python.exe' '
debugpy-2025.8.0-win32-x64\bundled\libs\debugpy\launcher' '65185' '--' 'd:\karka\pytho
Positive numbers: [12, 5, 8]
Negative numbers: [-7, -3, -1]
```

```
131    #task 19
132    char = input("Enter a character: ").lower()
133    if len(char) == 1:
134        if char in 'aeiou':
135            print(f"Output: {char} is a vowel.")
136        elif char.isalpha():
137            print(f"Output: {char} is a consonant.")
138        else:
139            print("Output: Invalid input. Please enter an alphabet character.")
140    else:
141        print("Output: Invalid input. Please enter a single character.")
```

PROBLEMS   OUTPUT   DEBUG CONSOLE   **TERMINAL**   PORTS

```
PS D:\karka>  & 'c:\Users\INDHUJA\AppData\Local\Programs\Python\Python313\python.exe' 'c:\Users\INDHU
.debugpy-2025.8.0-win32-x64\bundled\libs\debugpy\launcher' '65185' '--' 'd:\karka\python\day9\task\ta
Positive numbers: [12, 5, 8]
Negative numbers: [-7, -3, -1]
PS D:\karka> ^C
PS D:\karka>
PS D:\karka>  d:; cd 'd:\karka'; & 'c:\Users\INDHUJA\AppData\Local\Programs\Python\Python313\python.e
xtensions\ms-python.debugpy-2025.8.0-win32-x64\bundled\libs\debugpy\launcher' '65297' '--' 'd:\karka\
Enter a character: A
Output: a is a vowel.
```