

Your answers:

Q-1	Q-2	Q-3	Q-4
D	C	B	C

```
1 def factorial(n):
2     result = n;
3     for i in range(1, n):
4         result *= i
5     return result
6
7 print(factorial(5))
```

```
/Users/rohin/.pyenv/versions/3.12.0/bin/python /Users/rohin/GitHub/CS1026/lab4/1.py
120
```

```
1 def helloWorld():
2     print("Hello World!")
3
4 def helloWorldNTimes(n):
5     for i in range(n):
6         helloWorld()
7
8 def main():
9     helloWorldNTimes(8)
10
11 main()
```

```
• /Users/rohin/.pyenv/versions/3.12.0/bin/python /Users/rohin/GitHub/CS1026/lab4/2.py
Hello World!
Hello World!
Hello World!
Hello World!
Hello World!
Hello World!
Hello World!
Hello World!
```

```
1  def countVowels(word):
2      numVowels = 0
3      for letter in word:
4          if letter in 'aeiouAEIOU':
5              numVowels += 1
6
7      return numVowels
8
9  print(countVowels("AEIOu"))
```

```
• /Users/rohin/.pyenv/versions/3.12.0/bin/python /Users/rohin/GitHub/CS1026/lab4/3.py
5
```