



# Quiz

Test what you have learnt so far.

## Question # 1

*Consider the snippet below:*

```
def bar():  
    yield 5  
  
def foo():  
    yield bar()  
  
if __name__ == "__main__":  
  
    gen = foo()  
    for item in gen:  
        print(item)
```

Q What will be the output of the print statement?



A) 5

**B) string representation of generator object****C) None****Submit Answer****Reset Quiz**

```
def bar():  
    yield 5  
  
def foo():  
    yield bar()  
  
if __name__ == "__main__":  
    gen = foo()  
    for item in gen:  
        print(item)
```



## Question # 2

***Consider the snippet below:***



```
def foo():  
    return 6  
    yield 9  
  
if __name__ == "__main__":  
  
    gen = foo()  
    for item in gen:  
        print(item)
```

Q What will the outcome of the print statement?

- ☐ A) StopIteration is raised and the program crashes
- ☐ B) Nothing is printed
- ☐ C) 6 is printed
- ☐ D) 9 is printed

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```
def foo():  
    return 6  
    yield 9  
  
if __name__ == "__main__":  
    gen = foo()  
    for item in gen:  
        print(item)
```



## Question # 3

*Consider the changes we made to the previous question. The for loop is removed and we manually iterate the generator.*

```
def foo():  
    return 6  
    yield 9  
  
if __name__ == "__main__":  
    gen = foo()  
    item = next(gen)  
    print(item)
```

Q What would be the output of the print statement?



A) 6



B) 9



C) GeneratorExit exception is raised



D) StopIteration exception is raised

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```
def foo():  
    return 6  
    yield 9  
  
if __name__ == "__main__":  
    gen = foo()  
    item = next(gen)  
    print(item)
```



## Question # 4

***Consider the snippet below:***



```
def useless_generator():  
    yield  
  
if __name__ == "__main__":  
    for item in useless_generator():  
        print(item)
```

Q What would be the outcome of the print statement?

- ☐ A) Syntax is illegal
- ☐ B) The for loop is never executed as there's no value to yield
- ☐ C) None

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```
def useless_generator():  
    yield  
  
if __name__ == "__main__":  
    for item in useless_generator():
```



```
for item in useless_generator():  
    print(item)
```



## Question # 5

*Consider the snippet below:*

```
def generate_numbers():  
    i = 0  
    i += 1  
    yield i  
    k = yield  
    print("Received in generator function : " + str(k))  
  
if __name__ == "__main__":  
    generator = generate_numbers()  
  
    item = next(generator)  
  
    generator.send(55)
```

Q What is printed on the console?



A) 55



B) None



C) Nothing

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... continued

Introduction



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