

# Comsats University Islamabad, Lahore campus

## **PRACTISE QUESTIONS**

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Section: BBA-B

Roll no: FA24-BBA-050

**Course:** Programming Language for Business Analytics

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1. Store your name and print it

2. Store two numbers and print their sum

```
Welcome sadia exercise 1.py X

C: > Users > user > sadia exercise 1.py > ...

1     a = 10
2     b = 6
3     print("sum:", a+b)

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

PS C:\Users\user> & C:\Users\user\AppData/Local/Microsoft/WindowsApps/python3.11.exe "c:\Users\user\sadia exercise 1.py" sum: 16
PS C:\Users\user>
```

3. Integer and float data types

4. String length

5. Square of a number

#### 6. Input and show data type

## 7. Boolean check

```
Welcome

sadia exercise 1.py X

C: > Users > user > sadia exercise 1.py > ...

is_active = True

if is_active:

print("The value is True")

else:

print("The value is False")

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

PS C:\Users\user> & C:/Users/user/AppData/Local/Microsoft/WindowsApps/python3.11.exe "c:/Users/user/sadia exercise 1.py"
The value is True
PS C:\Users\user>
```

## 8. f-string formatting

## 9. Convert integer to float

#### 10. Complex number

```
C: > Users > user >  sadia exercise 1.py > ...

1     z = 3 + 4j
2     print("Real:", z.real)
3     print("Imaginary:", z.imag)

4     PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

PS C: \Users\user> & C: / Users/user / AppData/Local/Microsoft/WindowsApps/python3.11.exe "c: / Users/user/sadia exercise 1.py"
Real: 3.0
Imaginary: 4.0
PS C: \Users\user>
```

#### 11. Basic arithmetic

#### 12. Floor division

```
Welcome X ♣ sadia exercise 1.py X

C: > Users > user > ♣ sadia exercise 1.py

1  print(8 // 2)

2

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

PS C:\Users\user> & C:\Users\user\AppData\Local\Microsoft\WindowsApps\python3.11.exe "c:\Users\user\sadia exercise 1.py"

4

PS C:\Users\user>
```

#### 13. Modulus

## 14. Exponentiation

## 15. Comparison operators

## 16. Logical operators

```
Welcome sadia exercise 1.py X

C: > Users > user > sadia exercise 1.py > ...

1     a = 5
2     b = 10
3     print(a > 0 and b > 0)
4     print(a > 0 or b < 0)
5     print[not(a > b)]

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

PS C:\Users\user> & C:/Users/user/AppData/Local/Microsoft/WindowsApps/python3.11.exe "c:/Users/user/sadia exercise 1.py"
True
True
True
PS C:\Users\user>
```

#### 17. Operator precedence

```
Welcome × sadia exercise 1.py ×

C: > Users > user > sadia exercise 1.py > ...

1    result = 10 + 5 * 2
2    print(result)
3

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

PS C:\Users\user> & C:/Users/user/AppData/Local/Microsoft/WindowsApps/python3.11.exe "c:/Users/user/sadia exercise 1.py"
20
PS C:\Users\user>
```

## 18. Compound assignment

## 19. Average of two numbers

## 20. Even or odd (ternary operator)

#### 21. Positive, negative, or zero

```
⋈ Welcome
               sadia exercise 1.py X
  1   num = int(input("Enter number: "))
     if num > 0:
         print("Positive")
      elif num < 0:
        print("Negative")
      print("Zero")
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS
PS C:\Users\user> & C:/Users/user/AppData/Local/Microsoft/WindowsApps/python3.11.exe "c:/Users/user/sadia exercise 1.py"
Enter number: 12
Positive
PS C:\Users\user\& C:/Users/user/AppData/Local/Microsoft/WindowsApps/python3.11.exe "c:/Users/user/sadia exercise 1.py"
Enter number: 11
Positive
PS C:\Users\user>
```

## 22. Even or odd (if-else)

#### 23. Adult or minor

## 24. Largest of three numbers

```
Welcome  

sadia exercise 1.py 

C: > Users > user >  sadia exercise 1.py > ...

1     a = 10
2     b = 25
3     c = 15
4     print("Largest:", max(a, b, c))

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

PS C:\Users\user> & C:/Users/user/AppData/Local/Microsoft/WindowsApps/python3.11.exe "c:/Users/user/sadia exercise 1.py"
Largest: 25
PS C:\Users\user>
```

#### 25. Grade system

## 26. Leap year

## 27. Temperature condition

#### 28. Password check

#### 29. Vowel or consonant

#### 30. Day of the week

#### 31-40: List exercises

## (31-40) Output

```
PS C:\Users\user> & C:\Users\user/AppData/Local/Microsoft/WindowsApps/python3.11.exe "c:\Users\user/sadia exercise 1.py"
['apple', 'banana', 'cherry']
['apple', 'cherry', 'orange']
15
Max: 5
Min: 1
[1, 2, 3]
[3, 4, 5]
[1, 2, 10, 4, 5]
[5, 4, 10, 2, 1]
1
[1, 2, 3, 4, 5]
[1, 4, 9, 16, 25, 36, 49, 64, 81, 100]
PS C:\Users\user>
```

## 41-45: Tuple exercises