

Tasks and Results

Exercise 1

Write a program that reads an integer value between 1 and 12 from the user and prints output the corresponding month of the year.

```
C:\Users\hp\PycharmProjects\exercise_1\.venv\Scripts\python.exe C:\Users\hp\PycharmProjects\exercise_1\MonthNames.py
Enter the month: 6
Month 6 is June
Process finished with exit code 0
```

Exercise 2

A certain cinema currently sells tickets for a full price of 6 pounds, but always sells tickets for half price to people who are less than 16 years old, and for a third of the price for people who are 60 years old or more.

```
C:\Users\hp\PycharmProjects\exercise_1\.venv\Scripts\python.exe C:\Users\hp\PycharmProjects\exercise_1\task2_assignment3.py
Enter your age: 25
Your Ticket cost is £6
Process finished with exit code 0
```

Exercise 3

Write a program to calculate your BMI and give weight status. Body Mass Index (BMI) is an internationally used measurement to check if you are a healthy weight for your height.

```
C:\Users\hp\PycharmProjects\exercise_1\.venv\Scripts\python.exe C:\Users\hp\PycharmProjects\exercise_1\BodyMassIndex.py
Enter your weight(kg): 56
Enter your Height(m): 1.62
Your BMI is : 21.338210638622158
You are in the 'Normal' range
Process finished with exit code 0
```

Exercise 4

Write a Python program to receive 3 numbers from the user and print the greatest among them.

```
C:\Users\hp\PycharmProjects\exercise_1\.venv\Scripts\python.exe C:\Users\hp\PycharmProjects\exercise_1\task3_assignment3.py
enter 1st number16.5
enter 2nd number52
enter 3rd number99.9
greatest number is : 99.9
Process finished with exit code 0
```

Exercise 5

Find the factorial of a given number using loops (note the number is received from the user)

```
C:\Users\hp\PycharmProjects\exercise_1\.venv\Scripts\python.exe C:\Users\hp\PycharmProjects\exercise_1\task3_assignment3.py
Enter a Number: 5
the factorial of 5 is : 120

Process finished with exit code 0
```

Exercise 6

Reverse a number using while loop

```
C:\Users\hp\PycharmProjects\exercise_1\.venv\Scripts\python.exe C:\Users\hp\PycharmProjects\exercise_1\task3_assignment3.py
Enter a number to reverse: 138
The reversed number is: 831

Process finished with exit code 0
```

Exercise 7

Finding the multiples of a number using loop

```
Enter the number for the multiplication table: 5
Multiplication Table for 5:
5 x 1 = 5
5 x 2 = 10
5 x 3 = 15
5 x 4 = 20
5 x 5 = 25
5 x 6 = 30
5 x 7 = 35
5 x 8 = 40
5 x 9 = 45
5 x 10 = 50
```

Exercise 8

Write a program to print the inputted value as it is and break the loop if the value is 'done'

```
C:\Users\hp\PycharmProjects\exercise_1\.venv\Scripts\python.exe C:\Users\hp\PycharmProjects\exercise_1\task7_assignment3.py
: hii archana
hii archana
: welcome home
welcome home
: done
Done

Process finished with exit code 0
```

Exercise 9

Write a program that prints the numbers from 1 to 10. But for multiples of three print "Fizz" instead of the number and for the multiple of five print "Buzz". For numbers which are multiples of both three and five print "FizzBuzz"



```
1
2
Fizz
4
Buzz
Fizz
7
8
Fizz
Buzz
Process finished with exit code 0
```

Exercise 10

Write a program to print the following pattern:

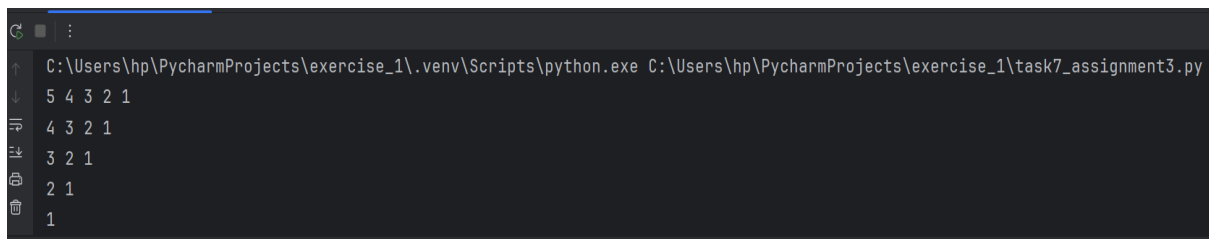
5 4 3 2 1

4 3 2 1

3 2 1

2 1

1



```
C:\Users\hp\PycharmProjects\exercise_1\.venv\Scripts\python.exe C:\Users\hp\PycharmProjects\exercise_1\task7_assignment3.py
5 4 3 2 1
4 3 2 1
3 2 1
2 1
1
```