```python
# Write a program that reads an integer value between 1 and 12 from the user and prints output the correspor
number_month=int(input("enter a number between 1&12"))
month=["January", "February", "March", "April", "May", "June", "July", "August", "September", "October", "November", "[
if 1 <= number_month <= 12:
    print("month" ,number_month, "is",month[number_month-1])
else:
    print("invalid month,please enter number between 1&2")
```

f 1 <= number_month <= 12

Run 🐍 MonthNames ✕

```
C:\Users\AS\PycharmProjects\entri_dsml\venv\Scripts\python.exe C:\Users\AS\PycharmProjects\entri_dsml\MonthNames.py
enter a number between 1&12 5
month 5 is May

Process finished with exit code 0
```

```python
# Write a program that reads an integer value between 1 and 12 from the user and prints output the correspor
number_month=int(input("enter a number between 1&12"))
month=["January", "February", "March", "April", "May", "June", "July", "August", "September", "October", "Nov
if 1 <= number_month <= 12:
    print("month" ,number_month, "is",month[number_month-1])
else:
    print("invalid month,please enter number between 1&2")
```

f 1 <= number_month <= 12

Run 🐍 MonthNames ✕

```
C:\Users\AS\PycharmProjects\entri_dsml\venv\Scripts\python.exe C:\Users\AS\PycharmProjects\entri_dsml\MonthName
enter a number between 1&12 13
invalid month,please enter number between 1&2

Process finished with exit code 0
```

```python
#A certain cinema currently sells tickets for a full price of 6 pounds, but always sells tickets for half p
age=int(input("Enter your age"))
full_price = 6
ticket_price = full_price
if age < 16:
    ticket_price = full_price / 2
elif age >= 60:
    ticket_price = full_price / 3
print(f"Your ticket costs £{ticket_price:.2f}")
```

Run 🐍 MonthNames ✕

```
C:\Users\AS\PycharmProjects\entri_dsml\venv\Scripts\python.exe C:\Users\AS\PycharmProjects\entri_dsml\MonthNames.py
Enter your age 54
Your ticket costs £6.00

Process finished with exit code 0
```

```python
# # factorial
num=int(input("enter the number"))
fact=1
if num>=0:
    for i in range(1,num+1):
        fact=fact*i
    print("factorial of the num is",fact)
else:
    print("factorial is not defined for negative number")
```

A 23

Run   Factorial ×

C:\Users\AS\PycharmProjects\entri_dsml\venv\Scripts\python.exe C:\Users\AS\PycharmProjects\entri_dsml\Factorial.py
enter the number6
factorial of the num is 720

```python
# reverse
num_1 = int(input("Enter a number to reverse: "))
```

Factorial

num_1: int = int(input("Enter a number to reverse: ")):

```python
    digit = num_1 % 10
    reversed_num = reversed_num * 10 + digit
    num_1//= 10
print(f"The reversed number is:{reversed_num}")
# Multiples of a Number
num_2=int(input("Enter a number"))
i=1
while i<11:
```

Run   Factorial ×

factorial of the num is 720
Enter a number to reverse: 34
The reversed number is:43

```python
18    # Multiples of a Number
19    num_2=int(input("Enter a number"))
20    i=1
      while i<11:
```

```
Enter a number6
1 * 6 = 6
2 * 6 = 12
3 * 6 = 18
4 * 6 = 24
5 * 6 = 30
6 * 6 = 36
7 * 6 = 42
8 * 6 = 48
9 * 6 = 54
10 * 6 = 60
```

```python
24    # Write a program to print the inputted value as it is and break the loop if the value is 'done'.
25    while True:
26        value = input(":")
27        print(value)
28        if value.lower() == 'done':
29            break
```

while True

```
:entri
entri
:hello
hello
:hai
hai
:how are you
how are you
```

```python
'''Write a program to calculate your BMI and give weight status. Body Mass Index (BMI) is an internationally
BMI= weight(kg)/height2(m2)
BMI Weight Status Categories table
BMI range - kg/m2          Category
Below 18.5                 Underweight
18.5 -24.9                 Normal
25 - 29.9                  Overweight
30 & Above                 Obese'''
weight = float(input("Enter your weight in (kg): "))
height = float(input("Enter your height in (m): "))
```

if height > 0 › else

Run 🐍 Factorial ✕ 🐍 BodyMassIndex ✕

```
Enter your weight in (kg): 75
Enter your height in (m): 1.70
Your BMI is: 25.95
You are in the 'Overweight' range.
```

```python
# # Write a program that prints the numbers from 1 to 10. But for multiples of three print "Fizz" instead of
for i in range(1,11):
    if i % 3 == 0 and i % 5 == 0:
        print("FizzBuzz")
```

for i in range(1,11)

Run 🐍 Factorial ✕ 🐍 BodyMassIndex ✕

```
C:\Users\AS\PycharmProjects\entri_dsml\venv\Scripts\python.exe C:\Users\AS\PycharmProjects\entri_dsml\Factorial.py
1
2
Fizz
4
Buzz
Fizz
7
8
Fizz
Buzz
```

```python
# Pattern Printing
for i in range(5,0,-1):
    for j in range(i,0,-1):
        print(j,end=' ')
    print()

```

for i in range(5,0,-1)

Run 🐍 Factorial ✕   🐍 BodyMassIndex ✕

C:\Users\AS\PycharmProjects\entri_dsml\venv\Scripts\python.exe C:\Use
5 4 3 2 1
4 3 2 1
3 2 1
2 1
1