```python
#Task 1: Write a Python program to find the largest of three numbers.
first_number = int(input("enter a number:\n"))
second_number = int(input("enter a number:\n"))
third_number = int(input("enter a number:\n"))
largest_number = max(first_number,second_number,third_number)
print("the largest number is:",largest_number)
```

```
enter a number:/n 2
enter a number:/n 3
enter a number:/n 4
```

```
the largest number is: 4
```

```python
#Task 2: Create a program that checks if a number is even or odd.
number  = int(input("enter a number:\n"))
if number%2==0:
    print("even")
else:
    print("odd")
```

```
enter a number:
 3
```

```
odd
```

```python
#Task 3: Write a program that prints numbers from 1 to 100 but skips
numbers divisible by 7.
for a in range(1,101):
    if a%7==0:
        continue
    print(a)
```

```
1
2
3
4
5
6
8
9
10
11
12
13
15
16
17
18
19
20
22
```

```
80
81
82
83
85
86
87
88
89
90
92
93
94
95
96
97
99
100
```

```
#Task 4: Write a program to print the multiplication table of a given number
number = int(input("enter a number:\n"))
for a in range(1,11):
    multiplication = number*a
    print(multiplication)
```

```
enter a number:
 2

2
4
6
8
10
12
14
16
18
20
```

```
#Task 5: Write a program that uses a nested loop to print a right-angled triangle pattern of stars based on user input.
row = int(input("enter a number is :\n"))
for a in range(1, row + 1):
    for b in range(1, a + 1):
        print("*",end="")
    print()
```

```
enter a number is :
 5
```

```python
#Task 6: Create a Python program that prints the following pattern
using nested loops
row = int(input("enter a number is :\n"))
for a in range(1,row + 1):
    for b in range(1,a):
        print(b,end="")
    print()
```

```
enter a number is :
 5


1
12
123
1234
```

```python
#Task 7: Create a Python program to check if a character entered by
the user is a vowel or consonant.
alphabet = input("enter a alphabet :\n")
if alphabet == "aeiou":
    print("vowel")
else:
    print("consonent")
```

```
enter a alphabet :
 a

vowel
```

```python
#Task 8. Write a Python program that generates a diamond pattern of
stars For n = 5, the output should look like:
row = int(input("enter a number is :\n"))
for a in range(1,row + 1):
   print("*"*a)
for a in range(row-1,0,-1):
    print("*"*a)
```

```
enter a number is :
 5

*
**
***
****
*****
```

```
****
***
**
*
```

```
#Task 9: Write a Python program to reverse the digits of a given
number.
num = int(input("enter a number:\n"))
for a in range(num,0,-1):
    print(a,end="")
```

```
enter a number:
 5

54321
```

```
#Task 10. Create a Python program that generates the following pyramid
pattern
row = int(input("enter a number is :\n"))
for a in range(1,row + 1):
    for b in range(1, a + 1):
        print(b,end="")
    for b in range(a-1,0,-1):
        print(b,end="")
    print()
```

```
enter a number is :
 5

1
121
12321
1234321
123454321
```

```
xelatex --version
```