```python
# 1). Assign the value 7 to a variable y.

y=7

print(y)
```

7

```python
# 2). Write an if statement to check if y is greater than 0.

y=int(input())

if y>0:
    print(y,"is greater than zero")

else:
    pass
```

3
3 is greater than zero

```python
# 3). Inside this if statement, write another if-else statement to check if y is even or odd.

y=int(input())

if y:

    if y%2==0:
        print(y,"is even number")

    else:
        print(y,"is odd number")
```

```
7
7 is odd number
```

```python
'''4). Print "y is a positive even number" if y is even, otherwise print "y is a positive odd number".
If y is not greater than 0, print "y is not a positive number".'''

y=int(input())

if y>0 and y%2==0:
    print(y,"is a positive even numbber")

elif y>0 and y%2!=0:
    print(y,"is a positive odd number")

else:
    print("y is not a positive number")
```

```
-12
y is not a positive number
```

```python
# 5). Write a Python program to print the numbers from 1 to 10, but skip the number 5

for i in range(1,11):

    if i==5:
        continue                  # using continue keyword we can skip the element

    print(i)
```

```
1
2
3
4
6
7
8
9
10
```

+ Code   + Markdown

```python
# 6). Write a Python program to check whether a given number is even or odd.

num=int(input())

if i%2==0:
    print(num,"is even number")

else:
    print(num,"is odd number")
```

```
25
25 is even number
```

```python
# 7). Write a program to determine whether a given year is a leap year or not.

year=int(input())

if (year%4) or (year%100!=0) or (year%400==0):
    print(year,"is a leap year")

else:
    print(year,"is not a leap year")
```

```
2028
2028 is a leap year
```