

Find outputs (Home work)

 $m = 4$

match m:

case 1:

Print('One')

check if m is equal to 1

If yes, Print 'One'

case 2:

Print('Two')

check if m is equal to 2

If yes, Print TWO

case 3:

Print('Three')

check if m is equal to 3

If yes, Print 'THREE'

Print('Bye') # Bye

~~# Indentation error~~

Identify Error

 $i = 2$

match i:

case 1:

Print('One')

~~# Indentation error~~

case -:

Print('None of the above')

case 2:

Print('Two') # TWO

Print('Bye') # Bye

Find outputs (Home work)

 $m = 2$

match m:

case 1:

Print('One')

case -:

Print('Hello') # Hello

case - :

```
point ('BYE')
Point ('End') # End
# Indentation error
```

Find outputs (Home work)

m = 1

match m:

case 1:

Point ('Hyd') # Hyd

case 1:

Point ('sec')

case 1:

Point ('cyb')

Point ('Bye') # Bye.

~~# Indentation error~~

Find outputs (Home work).

ch = 'B'

match ch:

case 'A':

Point ('APPLE')

case 'B':

Point ('BOOK') # BOOK

case 'C':

Point ('cafe')

case - :

Point ('None of the above')

Point ('Bye') # Bye

```
x = eval(input('Enter any number:'))
```

```
match x:
```

```
    case 7 | -6 | 0:
```

```
        print('Hyd')
```

```
        print('sec')
```

```
        print('cyb')
```

```
    case -10 | 15:
```

```
        print('One')
```

```
        print('Two')
```

```
        print('Three')
```

```
    case :
```

```
        print('India')
```

```
        print('china')
```

```
        print('usa')
```

```
# End of match
```

```
        print('Bye')
```

1. INPUT - 6:-

Hyd

sec

cyb

Bye.

2. INPUT - 15:

One

Two

Three

Bye

3. Input 10.8:

India
China
USA
Bye

4. Input 0:

Hyd
sec
cyb
Bye

5. Input -10

one
two
three
Bye

6. Input 7

Hyd
sec
cyb
Bye

tPL = eval(input('Enter any point in the form of
(x,y):'))

match tPL:

case (0,0):

point('origin')

case (0,y):

point('y-axis')

case (x,0):

point('x-axis')

case (x,y):

point('Quadrant')

case :
point('Not a point')

COLLEGE FOR WOMEN, Chintal

1. Input (-10, -20)

Quadrant.

2. Input (10, 0) → x-axis

3. Input (0, -20) → y-axis

4. Input (0, 0) → origin

5. Input (10, 20, 30) → not a point

6. Input [10, 20] → not a point

7. Input [0, -25] → not a point

8. Input () → not a point

9. Input {10, 20} → not a point

10. Input (25,) → not a point

11. Input {10:20} → not a point

Find outputs ~~not~~
while True:

```
Point('Hello') # Hello  
Point('Bye') # Bye
```

Find outputs

while False:

```
Point('Hello')  
Point('Bye') # Bye.
```

Find outputs (HOMEWORK)

```
a = [10, 20, 15, 8]
```

```
for element in list:
```

```
    print(element) # 10  
                  20  
                  15  
                  8
```

```
s = 'Hyd'
```

```
for char in s:
```

```
    print(char) # H  
                  y  
                  d
```

```
for num in range(s):
```

```
    print(num) # 0  
                  1  
                  2  
                  3  
                  4
```

Find outputs (HOMEWORK)

```
for x in {10: 20, 30: 40, 50: 60}:
```

```
keys():
```

```
print(x) # 10, 30, 50
```

```
print()
```

```
for x in {10: 20, 30: 40, 50: 60}
```

```
values():
```

```
print(x) # 20, 40, 60
```

```
print()
```

```
for x in {10: 20, 30: 40, 50: 60}
```

```
items():
```

```
print(x) # (10, 20), (30, 40), (50, 60)
```

`Point()`

```
for x in {10:20, 30:40, 50:60}:
    Point(x) # 10, 30, 50
```

Find Outputs (Home work)

```
a = {10:20, 30:40, 50:60}
```

```
for x, y in a.items():
```

```
Point Point(x, y, sep='...') # Error.
```

```
for x, y in a:
```

```
    Point(x, y) # Error.
```

```
    x, y in {10: 20, 30: 40, 50: 60}:
```

```
        Point(x, y, sep='...') # Error.
```

Identify error (Home work)

```
for x in 123:
```

```
    Point(x) # Error.
```

Find outputs (Home work)

```
for x in []:
```

```
    Point(x) # Nothing
```

```
for x in [ ]:
```

```
    Point(x) # Nothing
```

```
for x in {}:
```

```
    Point(x) # Nothing
```

```
for x in set():
```

```
    Point(x) # Nothing
```

```
for x in "":
```

```
    Point(x) # Nothing
```

T. No. Date :

```
for x in range(10,10):
    print(x)      # ERROR
for x in (25):
    print(x)      # ERROR
```

```
# Nested loop demo program
for i in range(1,4):
    for j in range(1,5):
        print(i,j)
        print('Hello') # Hello
    print('Bye')
```

How to print list elements from indexes 2 to 4
without slice

```
a = [25, 10, 8, 'Hyd', True, 3 + 4j, None, 'sec']
print('Indexed for loop')
for i in range(2,5): # indexes 2 to 4
    print(f'index:{i}, element:{a[i]}')

print('For each loop')
for item in enumerate(a):
    if 2 <= item[0] <= 4:
        print(f'index:{item[0]}, element:{item[1]}'')
```

How to point each element and the corresponding index

```
a = [25, 10, 8, 'Hyd', True]
```

```
Print('Indexed based for loop')
```

```
for i in range(len(a)): # i=0, 1, 2, 3
```

```
Print('index:', i, 'Element:', a[i])
```

```
Print('For each loop')
```

```
for item in enumerate(a) # item: (index, value)
```

```
Print('index:', item[0], 'element:', item[1])
```

How to point list elements in reverse order without slice

```
a = [25, 10, 8, 'Hyd', True]
```

```
Print('Indexed for loop')
```

```
for i in range(len(a)-1, -1, -1):
```

```
Print('index:', i, 'Element:', a[i])
```

```
Print('For each loop')
```

```
for item in reversed(a):
```

```
Print('Element:', item)
```

Tricky program

```
a = [10, 20, 15, 18]
```

```
for i in range(len(a)):
```

```
a[i] += 1
```

```
Print('a:', a)
```

```
b = [10, 20, 15, 18] # [11, 21, 16, 19]
```

```
for x in b:
```

```
x += 1
```

```
Print('b:', b) # [10, 20, 15, 18]
```