(5)
```
m = 2
match m :
  case 1 :
    print ('One')
  case _ :
    print ("Hello')
  case _ :
    print ('Bye')
print ('End')
```
→ Hello
Bye

(4)
```
m = 1
match m :
  case 1 :
    print ('Hyd')
  case 1 :
    print ('Sec')
  case 1 :
    print ('Cyb')
print ('Bye')
```
⇒ Hyd
Bye

(3)
```
ch = 'B'
match ch :
  case 'A' :
    print ('Apple')
  case 'B' :
    print ('Book')
  case 'C' :
    print ('cafe')
  case _ :
    print ('None of
    print ('Bye')
```
⇒ Bye

```
if ( ):
    print ('Hyd')
else:
    print ('Sec')
print ('Bye')
```

```
if ( ):
{
  print('One')
  print ('Two')
  print ('Three')
}
else:
{ print ('Four')
  print ('Five')
  print ('Six')
}
print ('Bye')
```

=> # No braces should be given for the

```
# Find outputs:
if ( ):
    print ('Hyd')
    print ('Sec')
    print ('Cyb')
else:
    print ('One')
    print ('Two')
    print ('Three')
print ('Bye')
```

```
# Program even or odd with if statment
num = int (input ("Enter a number"))
if num % 2 == 0 :
    print ('even')
else:
    print ('odd')
```

Identify error:

```
if():
 print('One')
 print('Two')
 print('Three')
else:
if[]:
    print('Four')
    print('Five')
    print('Six')
else:
if{}:
    print('Seven')
    print('Eight')
    print('Nine')
else:
    print('Hyd')
    print('sec')
    print('Cyb')
    print('Bye')
```

⇒ No proper indentation & if() statment contains no arguments.

Firstoutput

```
if{10:20,30:40}:
    print('Hyd')
    print('Sec')
    print('Cyb')
print('Bye')
```

⇓

Hyd
Sec
Cyb
Bye.

Month prgm:

```
month = int(input("Enter month no. (1to12"))
if month == 1:
    print("January")
elif month == 2:
    print("February")
elif pmonth == 3:
    print("March")
elif month == 4:
    print("April")
elif month == 5:
    print("May")
elif month == 6:
    print("June")
elif month == 7:
    print("July")
elif month == 8:
    print("August")
elif month == 9:
    print("September")
elif print month == 9:
    print("October")
```

⑥ i, Hyd
Sec
Cyb
Bye

ii) One
Two
Three
Bye

iii, India
China
Ora
Bye

iv) Hyd
Sec
Cyb
Bye

v) One
Two
Thee
Bye

vi, Hyd
Sec
Cyb
Bye

⑦ Fiboraci

```
x = int(input("Enter a number :"))
a,b = 0,1
print("Fibonacci series up to", x, "is :")
while a<= x:
    print(a, end = " ")
    a,b = b, a+b
```

Outputs:

```
while True:
    print('Hello')
print('Bye')
```

→ Hello

Bye

Outputs:

```
while False:
    print("Hello")
print('Bye')
```

→ Bye

```
for x in {10:20,30:40,50:60}.
    .items()
    print(x)
```

→

```
for x in {10:20,30:40,50:60}.
    keys():
    print(x)
```

→

```
for x in {10:20,30:40,50:60}.
    values():
    print(x)
```

→

⑧

```
List = [10,20,15,15]
for item in List:
    print(item)
```

→

```
a = "Hyd"
for ch in a:
    print(ch)
```

→

```
for i in range(5):
    print(i)
```

⑨ Loop through keys

→

```
for x in {10:20,30:40,50:60}.
    keys():
    print(x)
```

→

```
for x in {10:20,30:40,50:60}.
    values():
    print(x)
```

print ('{a}/{b} = {a/b}')

Identify error:

else:
    print('else write') → Syntax Error

print('Outside')

Identify error

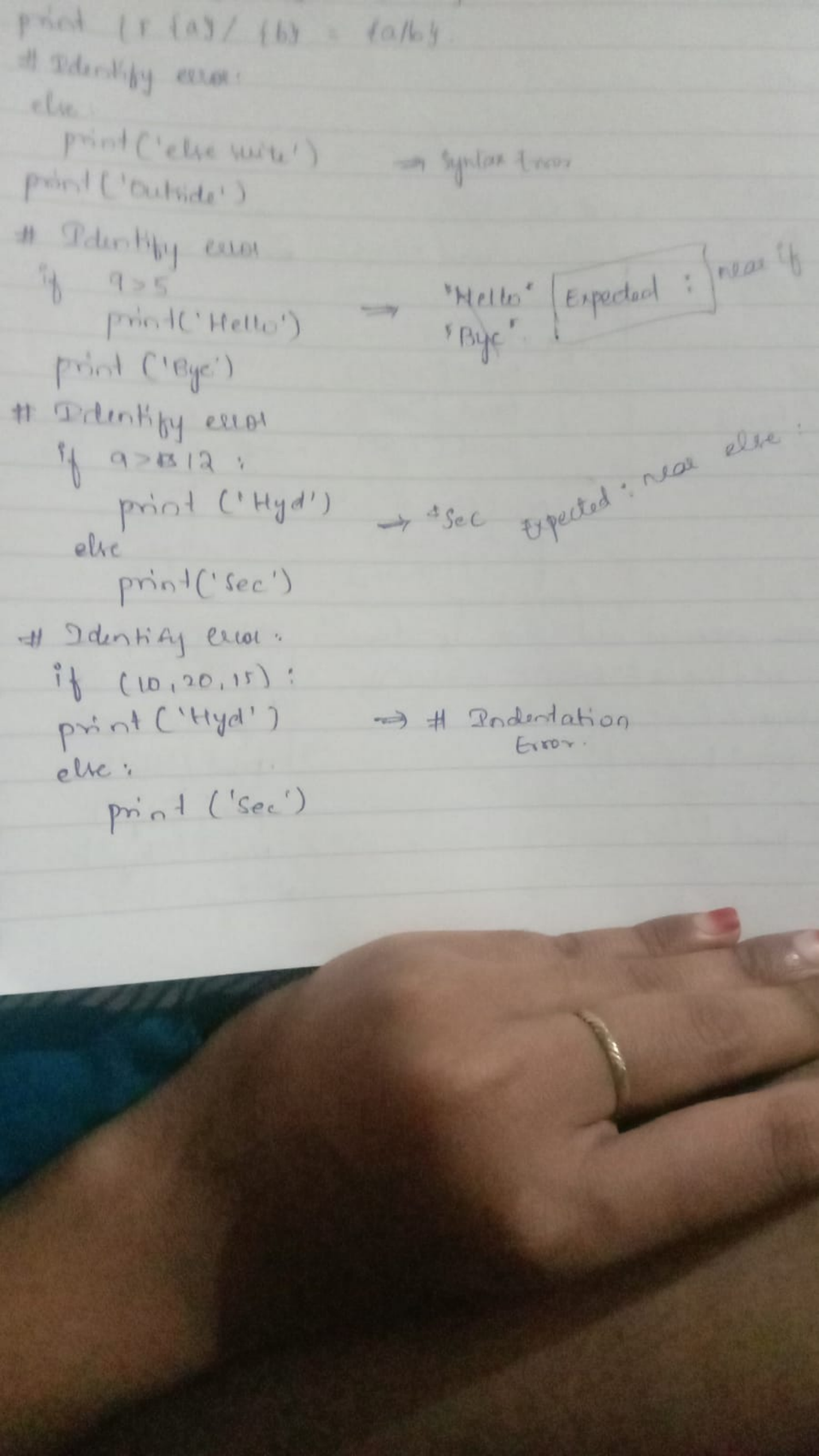
if 9>5
    print('Hello') → 'Hello' Expected : near if
print('Bye') 'Bye'

Identify error

if 9>=12:
    print('Hyd') → 'Sec' expected : near else
else
    print('Sec')

Identify error:

if (10,20,15):
print('Hyd') → # Indentation Error.
else:
    print('Sec')



① m = 4

```
match m:
  case 1:
    print ('One')
  case 2:
    print ('Two')
  case 3:
    print ('Three')
print ('Bye')
```

⇒ "Bye"

```
else:
  print ("Invalid")
```

② i = 2

```
match i:
  case 1:
    print ('One')
  case _:
    print ('None of
          above')
  case 2:
    print ("Two')
    print ('Bye')
```

⇒ #, Error.