Chương 3

Exercise 1 :

```
1   hours = float(input("Enter Hours: "))
2   rate = float(input("Enter Rate: "))
3   if hours > 40:
4       pay = 40 * rate + (hours - 40) * rate * 1.5
5   else:
6       pay = hours * rate
7   print("Pay:", pay)
```

PROBLEMS   OUTPUT   DEBUG CONSOLE   TERMINAL   PORTS   JUPYTER

```
+    ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
~~~~~~~~~~~~
    + CategoryInfo          : SecurityError: (:) [
  ], PSSecurityException
    + FullyQualifiedErrorId : UnauthorizedAccess
PS C:\Users\thanh\OneDrive\Desktop> & C:/Users/thanh/OneDrive/Desktop/.venv/Scripts/python.ex
3.py
Enter Hours: 45
Enter Rate: 10
Pay: 475.0
PS C:\Users\thanh\OneDrive\Desktop>
```

Exercise 2 :

```python
1   try :
2       hours = float(input("Enter Hours: "))
3       rate = float(input("Enter Rate: "))
4       if hours > 40:
5           pay = 40 * rate + (hours - 40) * rate * 1.5
6       else:
7           pay = hours * rate
8       print("Pay:", pay)
9       print("Enter hours:", hours)
10      print("Enter rate:", rate)
11
12  except:
13      print("Error, please enter numeric input")
14
```

PROBLEMS   OUTPUT   DEBUG CONSOLE   **TERMINAL**   PORTS   JUPYTER

```
Enter hours: 45.0
Enter rate: 10.0
PS C:\Users\thanh\OneDrive\Desktop> & C:/Users/thanh/OneDrive/Desktop/.
3.py
Enter Hours: 20
Enter Rate: nine
Error, please enter numeric input
PS C:\Users\thanh\OneDrive\Desktop> & C:/Users/thanh/OneDrive/Desktop/.
3.py
Enter Hours: forty
Error, please enter numeric input
```

Exercise 3 :

```python
a=input("Enter score: ")
try:
    a=float(a)
    if a<0.0 or a>1.0:
        print("Bad score")
    elif a>=0.9:
        print("A")
    elif a>=0.8:
        print("B")
    elif a>=0.7:
        print("C")
    elif a>=0.6:
        print("D")
    else:
        print("F")
except:
    print("Bad score")
```

```python
a=input("Enter score: ")
try:
    a=float(a)
    if a<0.0 or a>1.0:
        print("Bad score")
    elif a>=0.9:
        print("A")
    elif a>=0.8:
        print("B")
    elif a>=0.7:
        print("C")
    elif a>=0.6:
        print("D")
    else:
        print("F")
except:
    print("Bad score")
```

Chương 4 :

Exercise 4 :

D

Exercise 5 :

```python
def fred():
    print("Zap")
def jane():
    print("ABC")
jane()
fred()
jane()
```

```
PROBLEMS   OUTPUT   DEBUG CONSOLE   TERMINAL   PORTS   JUPYTER

thanh/OneDrive/Desktop/bai23.py
ABC
Zap
ABC
PS C:\Users\thanh\OneDrive\Desktop>
```

D

Exercise 6 :

```python
def computepay(hours, rate):
    if hours > 40:
        extra_hours = hours - 40
        pay = (40 * rate) + (extra_hours * rate * 1.5)
    else:
        pay = hours * rate
    return pay
hours = float(input("Enter Hours: "))
rate = float(input("Enter Rate: "))
pay = computepay(hours, rate)
print("Pay:", pay)
```

PROBLEMS   OUTPUT   DEBUG CONSOLE   **TERMINAL**   PORTS   JUPYTER

```
Zap
ABC
PS C:\Users\thanh\OneDrive\Desktop> & C:/Users/thanh/OneDrive/Desktop/.venv/Scripts/python.exe c:/Users/thanh/OneDrive/
3.py
Enter Hours: 45
Enter Rate: 10
Pay: 475.0
PS C:\Users\thanh\OneDrive\Desktop>
```

Exercise 7 :

```python
def computegrade(score):
    if score < 0.0 or score > 1.0:
        return 'Bad score'
    elif score >= 0.9:
        return 'A'
    elif score >= 0.8:
        return 'B'
    elif score >= 0.7:
        return 'C'
    elif score >= 0.6:
        return 'D'
    else:
        return 'F'
score =(input("Enter score: "))
try:
    score = float(score)
    grade = computegrade(score)
    print(grade)
except:
    print("Bad score")
```

PROBLEMS   OUTPUT   DEBUG CONSOLE   **TERMINAL**   PORTS   JUPYTER   +

```
3.py
Enter score: 0.95
A
PS C:\Users\thanh\OneDrive\Desktop> & C:/Users/thanh/OneDrive/Desktop/.venv/Scripts/python.exe c:/Users/thanh/OneDrive/Desktop/bai2
3.py
Enter score: perfect
Bad score
PS C:\Users\thanh\OneDrive\Desktop> & C:/Users/thanh/OneDrive/Desktop/.venv/Scripts/python.exe c:/Users/thanh/OneDrive/Desktop/bai2
3.py
Enter score: 10.0
Bad score
thanh/OneDrive/Desktop/bai23.py
```

```python
def computegrade(score):
    if score < 0.0 or score > 1.0:
        return 'Bad score'
    elif score >= 0.9:
        return 'A'
    elif score >= 0.8:
        return 'B'
    elif score >= 0.7:
        return 'C'
    elif score >= 0.6:
        return 'D'
    else:
        return 'F'
score =(input("Enter score: "))
try:
    score = float(score)
    grade = computegrade(score)
    print(grade)
except:
    print("Bad score")
```

PROBLEMS   OUTPUT   DEBUG CONSOLE   TERMINAL   PORTS   JUPYTER   +

```
Bad score
PS C:\Users\thanh\OneDrive\Desktop> & C:/Users/thanh/OneDrive/Desktop/.venv/Scripts/python.exe c:/Users/thanh/OneDrive/Desktop/bai2
3.py
Enter score: 10.0
Bad score
thanh/OneDrive/Desktop/bai23.py
Enter score: 0.75
C
PS C:\Users\thanh\OneDrive\Desktop> & C:/Users/thanh/OneDrive/Desktop/.venv/Scripts/python.exe c:/Users/thanh/OneDrive/Desktop/bai2
3.py
Enter score: 0.5
F
```