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Exercise 1:

```
graph TD; Start((Bắt đầu)) --> InputHours[Nhập hours]; InputHours --> InputRate[Nhập rate]; Decision{hours > 40}; Decision -- Đúng --> RegularPay["regular_pay = 40 * rate"]; Decision -- Sai --> OvertimePay["overtime_pay = (hours - 40) * rate * 1.5"]; Pay["pay = regular_pay + overtime_pay"]; Output["In hours, rate, pay"]; End((Kết thúc));
```

Code (1.py):

```
1.py
KT_lap_trinh > 1.py > ...
1  hours = float(input("Enter Hours: "))
2  rate = float(input("Enter Rate: "))
3
4  if hours > 40:
5      regular_pay = 40 * rate
6      overtime_pay = (hours - 40) * rate * 1.5
7      pay = regular_pay + overtime_pay
8  else:
9      pay = hours * rate
10 print ("Enter Hours: ",hours)
11 print ("Enter Rate: ",rate)
12 print ("Pay:", pay)
```

Terminal Output:

```
PS C:\Lap_trinh_C_Py> & C:/Users/ACER/AppData/Local/Programs/Python/Python37-32/python.exe 1.py
Enter Hours: 45
Enter Rate: 10
Enter Hours: 45.0
Enter Rate: 10.0
Pay: 475.0
PS C:\Lap_trinh_C_Py>
```

Exercise 2:

```
graph TD; Start((Bắt đầu)) --> InputHours[Nhập hours]; InputHours --> InputRate[Nhập rate]; Decision{hours > 40}; Decision -- Đúng --> RegularPay["regular_pay = 40 * rate"]; Decision -- Sai --> OvertimePay["overtime_pay = (hours - 40) * rate * 1.5"]; Pay["pay = regular_pay + overtime_pay"]; Output["In hours, dạng số"]; End((Kết thúc));
```

Code (1.py):

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

Terminal Output:

```
PS C:\Lap_trinh_C_Py> & C:/Users/ACER/AppData/Local/Programs/Python/Python37-32/python.exe 1.py
Enter Hours: 20
Enter Rate: nine
Error, please enter numeric input
PS C:\Lap_trinh_C_Py> & C:/Users/ACER/AppData/Local/Programs/Python/Python37-32/python.exe 1.py
Enter Hours: forty
Error, please enter numeric input
PS C:\Lap_trinh_C_Py> & C:/Users/ACER/AppData/Local/Programs/Python/Python37-32/python.exe 1.py
Enter Hours: 45
Enter Rate: 10
Enter hours: 45.0
Enter rate: 10.0
Pay: 475.0
PS C:\Lap_trinh_C_Py>
```

### Exercise 3:

```

KT_lap_trinh > 3.py > ...
1  score_input = input("Enter score: ")
2  print ("Enter score: ", score_input)
3  try:
4      score = float(score_input)
5  except ValueError:
6      print("Bad score")
7      exit()
8  if score < 0.0 or score > 1.0:
9      print("Bad score")
10 elif score >= 0.9:
11     print("A")
12 elif score >= 0.8:
13     print("B")
14 elif score >= 0.7:
15     print("C")
16 elif score >= 0.6:
17     print("D")
18 else:
19     print("F")

PROBLEMS      OUTPUT      DEBUG CONSOLE      TERMINAL      F
PS C:\Lap_trinh_C_Py> & C:/Users/ACER/AppData/Local/Programs/Python/Python37-32/python.exe "C:/Users/ACER/Desktop/3.py"
Enter score: 0.95
Enter score:  0.95
A
PS C:\Lap_trinh_C_Py> & C:/Users/ACER/AppData/Local/Programs/Python/Python37-32/python.exe "C:/Users/ACER/Desktop/3.py"
Enter score: perfect
Enter score:  perfect
Bad score
PS C:\Lap_trinh_C_Py> & C:/Users/ACER/AppData/Local/Programs/Python/Python37-32/python.exe "C:/Users/ACER/Desktop/3.py"
Enter score: 10.0
Enter score:  10.0
Bad score
PS C:\Lap_trinh_C_Py> & C:/Users/ACER/AppData/Local/Programs/Python/Python37-32/python.exe "C:/Users/ACER/Desktop/3.py"
Enter score: 0.75
Enter score:  0.75
C
PS C:\Lap_trinh_C_Py> & C:/Users/ACER/AppData/Local/Programs/Python/Python37-32/python.exe "C:/Users/ACER/Desktop/3.py"
Enter score: 0.5
Enter score:  0.5
F
PS C:\Lap_trinh_C_Py> 

```

