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Chap 3:

Exercise 1:

The screenshot shows the VS Code interface with the following details:

- Editor:** The main editor tab is "main.py". The code is:

```
1 print("Exercise 1")
2 H=float(input("Enter Hours: "))
3 R=float(input("Enter Rate: "))
4 if H>40:
5     pay=40*R+(H-40)*R*1.5
6 else:
7     pay=H*R
8 print("Enter Hours:", H)
9 print("Enter Rate:", R)
10 print("Pay:", pay)
```

- Terminal:** The terminal tab is active, showing the command "python main.py" and its output:

```
PS C:\Users\qp301\Downloads\vscode-python> & C:/Users/qp301/AppData/Local/Programs/Python/Python313/python.exe c:/Users/qp301/Downloads/vscode-python/main.py
Exercise 1
Enter Hours: 45
Enter Rate: 10
Enter Hours: 45.0
Enter Rate: 10.0
Pay: 475.0
PS C:\Users\qp301\Downloads\vscode-python>
```
- Output:** A sidebar on the right shows two Python logs.

Exercise 2:

The screenshot shows the Visual Studio Code interface. The top bar has tabs for 'Welcome' and 'main.py'. The main editor area contains the following Python code:

```
1 print("Exercise 2")
2 try: # thử thực hiện đoạn code bên dưới
3     H=float(input("Enter Hours: "))
4     R=float(input("Enter Rate: "))
5     if H>40:
6         pay=40*R+(H-40)*R*1.5
7     else:
8         pay=H*R
9     print("Enter Hours:", H)
10    print("Enter Rate:", R)
11 except ValueError: #nếu có lỗi thì in ra thông báo lỗi
12     print("Error, please enter numeric input.")
```

The terminal below shows the execution of the script and its output:

```
PS C:\Users\qp301\Downloads\vscode-python> & C:/Users/qp301/AppData/Local/Programs/Python/Python313/python.exe c:/Users/qp301/Downloads/vscode-python/main.py
Exercise 2
Enter Hours: 20
Enter Rate: nine
Error, please enter numeric input.
PS C:\Users\qp301\Downloads\vscode-python>
```

### Exercise 3:

The screenshot shows a Visual Studio Code interface. The left pane displays a Python file named 'main.py' with the following code:

```
1 try:
2     S = float(input("Enter score: "))
3 except ValueError:
4     #thứ nhập value mình là 1 số nếu là chữ thì nó sẽ cho là S=2 ngoài phạm vi thì sẽ thực hiện lệnh if
5     S = 2.0
6 print("Score:", S)
7 if not 0.0 <= S <= 1.0:
8     print("Bad score")
9 elif S >= 0.9:
10    print("A")
11 elif S >= 0.8:
12    print("B")
13 elif S >= 0.7:
14    print("C")
15 elif S >= 0.6:
16    print("D")
17 else:
18    print("F")
```

The right pane shows the terminal output of running the script:

```
PS C:\Users\qp301\Downloads\vscode-python> & C:/Users/qp301/AppData/Local/Programs/Python/Python313/python.exe c:/Users/qp301/Downloads/vscode-python/main.py
Enter score: 0.95 A ~~
Score: 2.0
Bad score
PS C:\Users\qp301\Downloads\vscode-python> & C:/Users/qp301/AppData/Local/Programs/Python/Python313/python.exe c:/Users/qp301/Downloads/vscode-python/main.py
Enter score: perfect
Score: 2.0
Bad score
PS C:\Users\qp301\Downloads\vscode-python> & C:/Users/qp301/AppData/Local/Programs/Python/Python313/python.exe c:/Users/qp301/Downloads/vscode-python/main.py
Enter score: 10.0
Score: 10.0
Bad score
PS C:\Users\qp301\Downloads\vscode-python> & C:/Users/qp301/AppData/Local/Programs/Python/Python313/python.exe c:/Users/qp301/Downloads/vscode-python/main.py
Enter score: 0.75
Score: 0.75
C
PS C:\Users\qp301\Downloads\vscode-python> & C:/Users/qp301/AppData/Local/Programs/Python/Python313/python.exe c:/Users/qp301/Downloads/vscode-python/main.py
Enter score: 0.5
Score: 0.5
F
PS C:\Users\qp301\Downloads\vscode-python>
```