

The screenshot shows a dark-themed code editor window. At the top, there's a navigation bar with icons for back, forward, search, and other file operations. Below it is a breadcrumb path: C: > Users > Windows > Desktop > KTVXL > BÀI TẬP CHƯƠNG 2 > Bài 2 Chương 2.py > ...

The main area contains the following Python code:

```
1 name = input("Enter your name: ")
2 print("Hello", name)
```

Below the code editor is a tab bar with PROBLEMS, OUTPUT, DEBUG CONSOLE, TERMINAL (which is selected), and PORTS.

The terminal pane at the bottom shows the output of running the script:

```
PS C:\Users\Windows> & C:/Users/Windows/AppData/Local/Programs/Python/Python313/python.exe "c:/Users/Windows/Desktop/KTVXL/BÀI TẬP CHƯƠNG 2/Bài 2 Chương 2.py"
Enter your name: Bui Tan Dat
Hello Bui Tan Dat
PS C:\Users\Windows>
```

At the bottom right of the terminal pane, there are status indicators: Spaces: 4, UTF-8, {}, Python, 3.13.7, and a bell icon.

The screenshot shows a code editor window with the following details:

- Title Bar:** Search [Administrator]
- File Tabs:** Bài 2 Chương 2.py (inactive), Bài 3 Chương 2.py (active)
- Code Area:** C:\Users\Windows> Windows> Desktop > KTVXL > BÀI TẬP CHƯƠNG 2 > Bài 3 Chương 2.py > h

```
1 hours = input("Enter Hours: ")
2 rate = input("Enter Rate: ")
3 h = float(hours)
4 r = float(rate)
5 pay = h * r
6 print("Pay:", pay)
```

- Bottom Navigation:** PROBLEMS, OUTPUT, DEBUG CONSOLE, TERMINAL (underlined), PORTS
- Terminal Output:** PS C:\Users\Windows> & C:/Users/Windows/AppData/Local/Programs/Python/Python313/python.exe "c:/Users/Windows/Desktop/KTVXL/BÀI TẬP CHƯƠNG 2/Bài 3 Chương 2.py"
Enter Hours: 35
Enter Rate: 2.275
Pay: 79.625
PS C:\Users\Windows>
- Status Bar:** Ln 3, Col 1, Spaces: 4, UTF-8, CRLF, {} Python, 3.13.7

The screenshot shows a Microsoft Visual Studio Code (VS Code) interface. At the top, there's a search bar labeled "Search [Administrator]" and several icons for file operations like save, close, and refresh. Below the search bar, two tabs are visible: "Bài 1 Chương 3.py" and "Bài 2 Chương 3.py X". The current tab is "Bài 2 Chương 3.py". To the right of the tabs are icons for navigating between files and closing the tab.

The code editor displays a Python script:

```
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 # Tính lương giống bài 1
9 if hours > 40:
10     overtime = hours - 40
11     pay = 40 * rate + overtime * rate * 1.5
12 else:
13     pay = hours * rate
14
15 print("Pay:", pay)
```

Below the code editor, the interface includes tabs for "PROBLEMS", "OUTPUT", "DEBUG CONSOLE", "TERMINAL" (which is currently selected), and "PORTS". To the right of these tabs are icons for Python, a dropdown menu, a trash can, and other settings. The terminal window at the bottom shows the command to run the script and the resulting output:

```
PS C:\Users\Windows> & C:/Users/Windows/AppData/Local/Programs/Python/Python313/python.exe "c:/Users/Windows/Desktop/KTVXL/BÀI TẬP CHƯƠNG 3/Bài 2 Chương 3.py"
Enter Hours: 20
Enter Rate: nine
Error, please enter numeric input
PS C:\Users\Windows>
```

The screenshot shows a code editor window with the following details:

- Title Bar:** Search [Administrator]
- File Tabs:** Bài 6 Chương 4.py (inactive), Bài 7 Chương 4.py (active), ...
- Code Area:** Python code defining a function `computegrade` that takes a score as input and returns a grade ('A' through 'F'). It handles invalid scores and uses nested if-elif statements to determine the grade based on the score.
- Bottom Navigation:** PROBLEMS, OUTPUT, DEBUG CONSOLE, TERMINAL (underlined), PORTS
- Terminal Output:** The output of running the script in a terminal window. It prints the results for various test scores: "A", "Bad score", "Bad score", "C", and "F".
- Bottom Status Bar:** Ln 23, Col 27, Spaces: 4, UTF-8, CRLF, {}, Python, 3.13.7, Q

```
1 def computegrade(score):
2     s = float(score)
3     except:
4         return "Bad score"
5     if s < 0.0 or s > 1.0:
6         return "Bad score"
7     if s >= 0.9:
8         grade = 'A'
9     elif s >= 0.8:
10        grade = 'B'
11    elif s >= 0.7:
12        grade = 'C'
13    elif s >= 0.6:
14        grade = 'D'
15    else:
16        grade = 'F'
17    return grade
18 print(computegrade("0.95"))
19 print(computegrade("perfect"))
20 print(computegrade("10.0"))
21 print(computegrade("0.75"))
22 print(computegrade("0.5"))
```

PS C:\Users\Windows> & C:/Users/Windows/AppData/Local/Programs/Python/Python313/python.exe "c:/Users/Windows/Desktop/KTVXL/BÀI TẬP CHƯƠNG 4/Bài 7 Chương 4.py"
A
Bad score
Bad score
C
F
PS C:\Users\Windows>

The screenshot shows a Microsoft Visual Studio Code (VS Code) interface. The top bar displays the title "Bài 6 Chương 4.py" and the file path "C: > Users > Windows > Desktop > KTVXL > BÀI TẬP CHƯƠNG 4 > Bài 6 Chương 4.py > computeipay". The main editor area contains the following Python code:

```
1 def computepay(hours, rate):
2     try:
3         hours = float(hours)
4         rate = float(rate)
5         if hours < 0 or rate < 0:
6             print("Error: hours and rate must be numeric values")
7             return None
8         else:
9             if hours > 40:
10                 overtime_hours = hours - 40
11                 overtime_rate = rate * 1.5
12                 overtime_pay = overtime_hours * overtime_rate
13                 total_pay = base_pay + overtime_pay
14             else:
15                 total_pay = hours * rate
16             return total_pay
17     except:
18         return "Error: Invalid numeric input."
19
20 hours_1 = input("Enter Hours: ")
21 rate_1 = input("Enter Rate: ")
22 pay_1 = computepay(hours_1, rate_1)
23 print("Pay:", pay_1)
```

The terminal tab is active, showing the command line output:

```
PS C:\Users\Windows> & C:/Users/Windows/AppData/Local/Programs/Python/Python313/python.exe "c:/Users/Windows/Desktop/KTVXL/BÀI TẬP CHƯƠNG 4/Bài 6 Chương 4.py"
Enter Hours: 45
Enter Rate: 10
Pay: 475.0
PS C:\Users\Windows>
```

A dropdown menu in the terminal area lists "powershell" and "Python", with "Python" currently selected.

The bottom right corner of the interface shows status information: "Spaces: 4", "UTF-8", "Python", "3.13.7", and a bell icon.

The screenshot shows a code editor window with a dark theme. At the top, there are tabs for "Bài 1 Chương 3.py", "Bài 2 Chương 3.py", and "Bài 3 Chương 3.py" (which is currently active). The status bar at the bottom indicates "OVR", "Ln 1, Col 37", "Spaces: 4", "UTF-8", "CRLF", and "Python 3.13.7".

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

The terminal below the code shows the execution of the script:

```
Enter score: 0.95
A
PS C:\Users\Windows> & C:/Users/Windows/AppData/Local/Programs/Python/Python313/python.exe "c:/Users/Windows/Desktop/KTVXL/BÀI TẬP CHƯƠNG 3/Bài 3 Chương 3.py"
Enter score: perfect
Bad score
PS C:\Users\Windows> & C:/Users/Windows/AppData/Local/Programs/Python/Python313/python.exe "c:/Users/Windows/Desktop/KTVXL/BÀI TẬP CHƯƠNG 3/Bài 3 Chương 3.py"
Enter score: 10.10
Bad score
PS C:\Users\Windows> & C:/Users/Windows/AppData/Local/Programs/Python/Python313/python.exe "c:/Users/Windows/Desktop/KTVXL/BÀI TẬP CHƯƠNG 3/Bài 3 Chương 3.py"
Enter score: 0.75
C
PS C:\Users\Windows> & C:/Users/Windows/AppData/Local/Programs/Python/Python313/python.exe "c:/Users/Windows/Desktop/KTVXL/BÀI TẬP CHƯƠNG 3/Bài 3 Chương 3.py"
Enter score: 0.5
F
```

Search [Administrator]

Bài 1 Chương 3.py Bài 2 Chương 3.py X Bài 3 Chương 3.py

C: > Users > Windows > Desktop > KTVXL > BÀI TẬP CHƯƠNG 3 > Bài 2 Chương 3.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 # Tính lương giống bài 1
9 if hours > 40:
10    overtime = hours - 40
11    pay = 40 * rate + overtime * rate * 1.5
12 else:
13    pay = hours * rate
14
15 print("Pay:", pay)
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS Python

PS C:\Users\Windows> & C:/Users/Windows/AppData/Local/Programs/Python/Python313/python.exe "c:/Users/Windows/Desktop/KTVXL/BÀI TẬP CHƯƠNG 3/Bài 2 Chương 3.py"

Enter Hours: twenty

Error, please enter numeric input

PS C:\Users\Windows>

Ln 15, Col 19 Spaces: 4 UTF-8 CRLF {} Python 3.13.7 ⚡

The screenshot shows a Python code editor interface. At the top, there are tabs for "Bài 2 Chương 2.py", "Bài 3 Chương 2.py", and "Bài 5 Chương 2.py". The current tab is "Bài 5 Chương 2.py". Below the tabs, the file content is displayed:

```
C: > Users > Windows > Desktop > KTVXL > BÀI TẬP CHƯƠNG 2 > Bài 5 Chương 2.py > celsius_str
1 celsius_str = input("Enter Celsius temperature: ")
2 C = float(celsius_str)
3 F = C * (9/5) + 32
4 print("The temperature in Fahrenheit is:", F)
```

Below the code editor, there is a terminal window titled "TERMINAL". It shows the command line and the output of running the script:

```
PS C:\Users\Windows> & C:/Users/Windows/AppData/Local/Programs/Python/Python313/python.exe "c:/Users/Windows/Desktop/KTVXL/BÀI TẬP CHƯƠNG 2/Bài 5 Chương 2.py"
Enter Celsius temperature: 39
The temperature in Fahrenheit is: 102.2
PS C:\Users\Windows>
```

At the bottom of the terminal window, there are status indicators: "Ln 1, Col 1", "Spaces: 4", "UTF-8", "Python 3.13.7", and a refresh icon.

```
C:\> Users > Windows > .vscode > hello-world.py > Untitled-2.py > ...
1 hours = float(input("Enter Hours: "))
2 rate = float(input("Enter Rate: "))
3
4 if hours > 40:
5     overtime = hours - 40
6     pay = 40 * rate + overtime * rate * 1.5
7 else:
8     pay = hours * rate
9
10 print("Pay:", pay)
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS Python ▾ ... | ... X

```
PS C:\Users\Windows> & C:/Users/Windows/AppData/Local/Programs/Python/Python313/python.exe c:/Users/Windows/.vscode/hello-world.py/Untitled-2.py
Enter Hours: 45
Enter Rate: 10
Pay: 475.0
PS C:\Users\Windows>
```