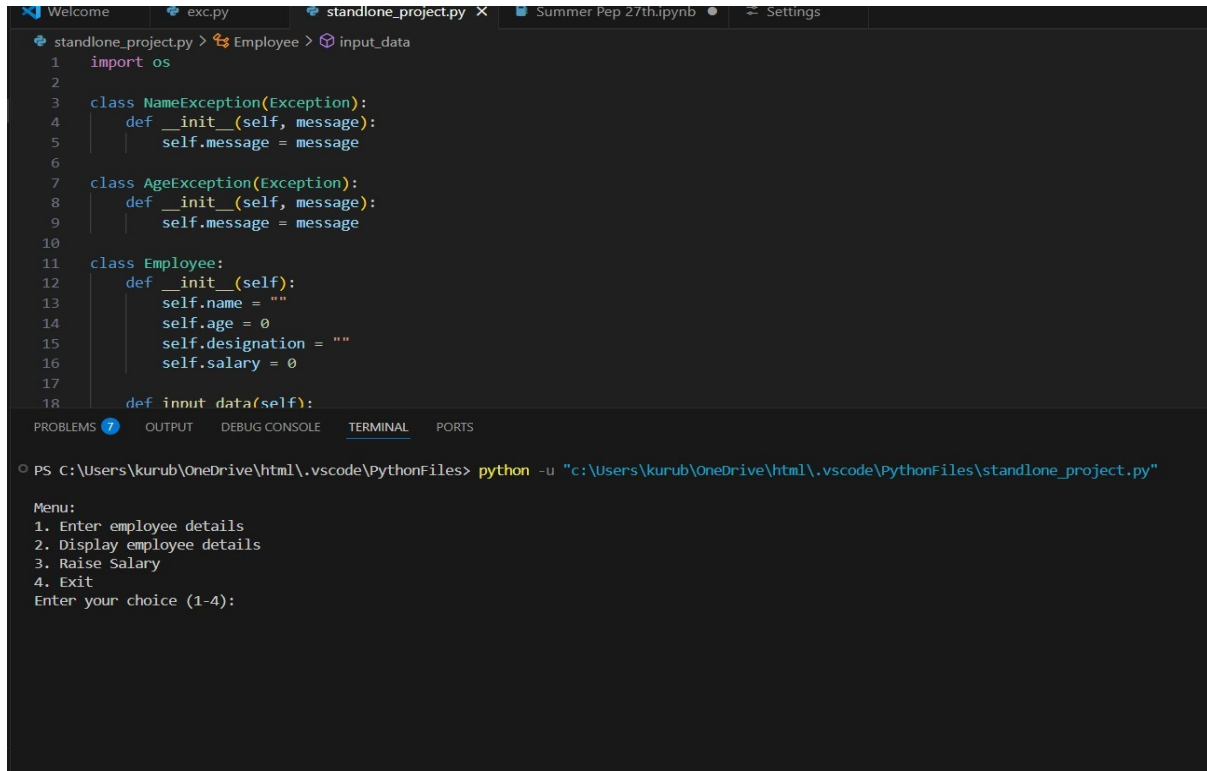


Name: Kuruba Vani

Id: 12412834

## Standalone Project



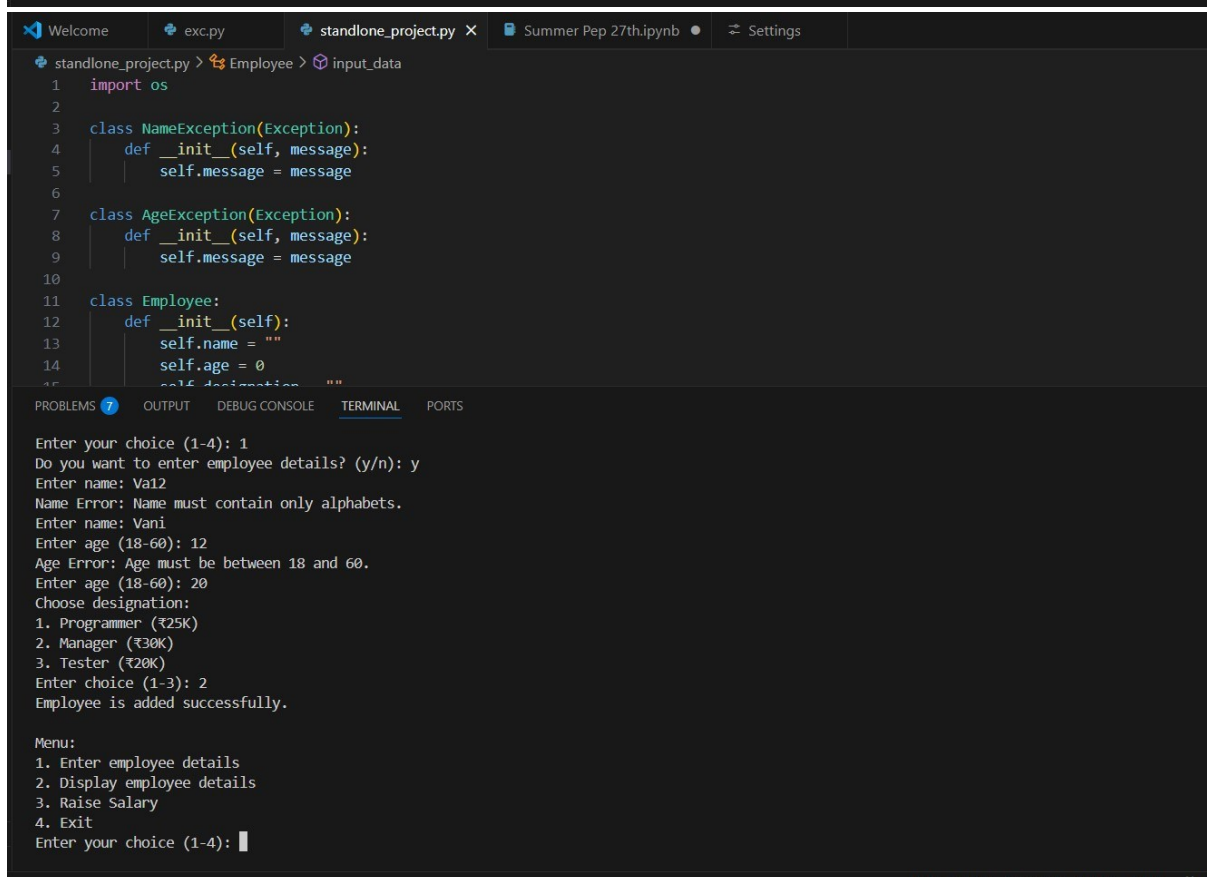
The screenshot shows the VS Code editor with the file `standalone_project.py` open. The code defines two custom exceptions, `NameException` and `AgeException`, and an `Employee` class. The `Employee` class has attributes `name`, `age`, `designation`, and `salary`. A method `input_data` is defined for the `Employee` class. The terminal output shows the command `python -u "c:\Users\kurub\OneDrive\html\.vscode\PythonFiles\standalone_project.py"` being executed, followed by a menu and the prompt "Enter your choice (1-4):".

```
standalone_project.py > Employee > input_data
1  import os
2
3  class NameException(Exception):
4      def __init__(self, message):
5          self.message = message
6
7  class AgeException(Exception):
8      def __init__(self, message):
9          self.message = message
10
11  class Employee:
12      def __init__(self):
13          self.name = ""
14          self.age = 0
15          self.designation = ""
16          self.salary = 0
17
18      def input_data(self):
```

PROBLEMS 7 OUTPUT DEBUG CONSOLE TERMINAL PORTS

PS C:\Users\kurub\OneDrive\html\.vscode\PythonFiles> python -u "c:\Users\kurub\OneDrive\html\.vscode\PythonFiles\standalone\_project.py"

Menu:  
1. Enter employee details  
2. Display employee details  
3. Raise Salary  
4. Exit  
Enter your choice (1-4):



The screenshot shows the VS Code editor with the file `standalone_project.py` open. The code is the same as in the previous screenshot. The terminal output shows the command `python -u "c:\Users\kurub\OneDrive\html\.vscode\PythonFiles\standalone_project.py"` being executed, followed by a menu and the prompt "Enter your choice (1-4):". The user enters '1', and the program prompts for employee details. The user enters 'Vani' for the name, which is valid. The user enters '12' for the age, which is invalid (must be between 18 and 60). The user enters '20' for the age, which is valid. The user chooses '2' for the designation, which is 'Manager' with a salary of ₹30K. The program then prompts for the choice again, and the user enters '1'.

```
standalone_project.py > Employee > input_data
1  import os
2
3  class NameException(Exception):
4      def __init__(self, message):
5          self.message = message
6
7  class AgeException(Exception):
8      def __init__(self, message):
9          self.message = message
10
11  class Employee:
12      def __init__(self):
13          self.name = ""
14          self.age = 0
15          self.designation = ""
16          self.salary = 0
17
18      def input_data(self):
```

PROBLEMS 7 OUTPUT DEBUG CONSOLE TERMINAL PORTS

Enter your choice (1-4): 1  
Do you want to enter employee details? (y/n): y  
Enter name: Vani  
Name Error: Name must contain only alphabets.  
Enter name: Vani  
Enter age (18-60): 12  
Age Error: Age must be between 18 and 60.  
Enter age (18-60): 20  
Choose designation:  
1. Programmer (₹25K)  
2. Manager (₹30K)  
3. Tester (₹20K)  
Enter choice (1-3): 2  
Employee is added successfully.

Menu:  
1. Enter employee details  
2. Display employee details  
3. Raise Salary  
4. Exit  
Enter your choice (1-4):

```
Welcome | exc.py | standalone_project.py X | Summer Pep 27th.ipynb | Settings

standalone_project.py > Employee > input_data
1 import os
2
3 class NameException(Exception):
4     def __init__(self, message):
5         self.message = message
6
7 class AgeException(Exception):
8     def __init__(self, message):
9         self.message = message
10
11 class Employee:
12     def __init__(self):
13         self.name = ""
14         self.age = 0
15         self.designation = ""

PROBLEMS 7 | OUTPUT | DEBUG CONSOLE | TERMINAL | PORTS

Employee is added successfully.

Menu:
1. Enter employee details
2. Display employee details
3. Raise Salary
4. Exit
Enter your choice (1-4): 2

--- Employee Records ---

Name: Vani
Age: 20
Designation: Manager
Salary: ₹30000

Menu:
1. Enter employee details
2. Display employee details
3. Raise Salary
4. Exit
Enter your choice (1-4):

Welcome | exc.py | standalone_project.py X | Summer Pep 27th.ipynb | Settings

standalone_project.py > Employee > input_data
1 import os
2
3 class NameException(Exception):
4     def __init__(self, message):
5         self.message = message
6
7 class AgeException(Exception):
8     def __init__(self, message):
9         self.message = message
10
11 class Employee:
12     def __init__(self):
13         self.name = ""
14         self.age = 0
15         self.designation = ""

PROBLEMS 7 | OUTPUT | DEBUG CONSOLE | TERMINAL | PORTS

Enter hike percentage (Max 20%): 34
Hike more than 20% not allowed.

Menu:
1. Enter employee details
2. Display employee details
3. Raise Salary
4. Exit
Enter your choice (1-4): 3
Enter employee name for raise: vani
Do you want to raise salary for Vani? (y/n): y
Enter hike percentage (Max 20%): 19
Salary updated for Vani: ₹35700.00

Menu:
1. Enter employee details
2. Display employee details
3. Raise Salary
4. Exit
Enter your choice (1-4): 4
Thank you for using the application.

PS C:\Users\kurub\OneDrive\html\.vscode\PythonFiles>
```

