

## Attendance Analyzer Program

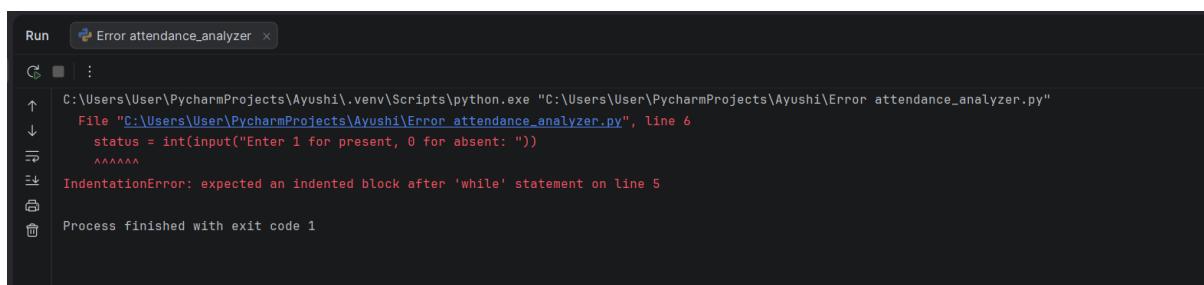
### Aim:

To write a Python program to calculate attendance percentage and check eligibility for the exam.

### Error code:

```
print("Attendance Analyzer")
days = int(input("Enter total days: "))
i = 1
present = 0
while i <= days:
    status = int(input("Enter 1 for present, 0 for absent: "))
    if status == 1:
        present = present + 1
    elif status == 0:
        present = present
    else:
        print("Invalid entry")
    i = i + 1
percentage = present * 100 / days
print("Attendance %:", percentage)
if percentage >= 75:
    print("Allowed for exam")
else:
    print("Not allowed")
if percentage > 100:
    print("Error in data")
```

### Output



The screenshot shows the PyCharm interface with the 'Run' tab selected. The run configuration is named 'Error attendance\_analyzer'. The output window displays the following error message:

```
Run Error attendance_analyzer ×
C:\Users\User\PycharmProjects\Ayushi\.venv\Scripts\python.exe "C:\Users\User\PycharmProjects\Ayushi\Error attendance_analyzer.py"
  File "C:\Users\User\PycharmProjects\Ayushi\Error attendance_analyzer.py", line 6
    status = int(input("Enter 1 for present, 0 for absent: "))
    ^^^^^^
IndentationError: expected an indented block after 'while' statement on line 5
Process finished with exit code 1
```

**List of Errors:****1) Indentation Error**

- The statements inside while loop are not indented.
- The statements inside if, elif, and else are not indented.
- Python requires proper indentation.

**2) Missing Closing Bracket**

- print("Attendance %:", percentage
- Closing ) bracket is missing.

It should be:

- print("Attendance %:", percentage)

**3) Missing Colon (:) After else**

- else
- Colon is missing.

It should be:

- else:

**4) Logical Placement Issue**

- if percentage > 100:
- This condition should ideally be checked before calculating or printing results because percentage cannot be more than 100 if inputs are correct.

**5) Unnecessary Statement**

- present = present
- This line does nothing. It is unnecessary and can be removed.

**6) No Input Validation**

- If user enters anything other than 1 or 0, it only prints "Invalid entry" but still counts the day.
- It may give wrong percentage

**Corrected Code:**

```
print("Attendance Analyzer")
```

```
days = int(input("Enter total days: "))
```

```
i = 1
```

```
present = 0
```

```
while i <= days:
```

```
    status = int(input("Enter 1 for present, 0 for absent: "))
```

```
    if status == 1:
```

```
        present = present + 1
```

```
    elif status == 0:
```

```
        present = present
```

```
    else:
```

```
        print("Invalid entry")
```

```
i = i + 1
```

```
percentage = present * 100 / days
```

```
print("Attendance %:", percentage)
```

```
if percentage >= 75:
```

```
    print("Allowed for exam")
```

```
else:
```

```
    print("Not allowed")
```

```
if percentage > 100:
```

```
    print("Error in data")
```

**Output**

The screenshot shows a terminal window with the following content:

```
Run   corrected attendance_analyzer x
G  Enter total days: 5
D  Enter 1 for present, 0 for absent: 1
E  Enter 1 for present, 0 for absent: 0
F  Enter 1 for present, 0 for absent: 1
S  Enter 1 for present, 0 for absent: 1
W  Enter 1 for present, 0 for absent: 0
B  Attendance %: 60.0
C  Not allowed

Process finished with exit code 0
```

The terminal window has a dark background and light-colored text. It includes standard terminal navigation keys (Up, Down, Left, Right, Home, End) on the left side. The title bar says "Run" and "corrected attendance\_analyzer". The status bar at the bottom right says "Process finished with exit code 0".