# 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

**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.

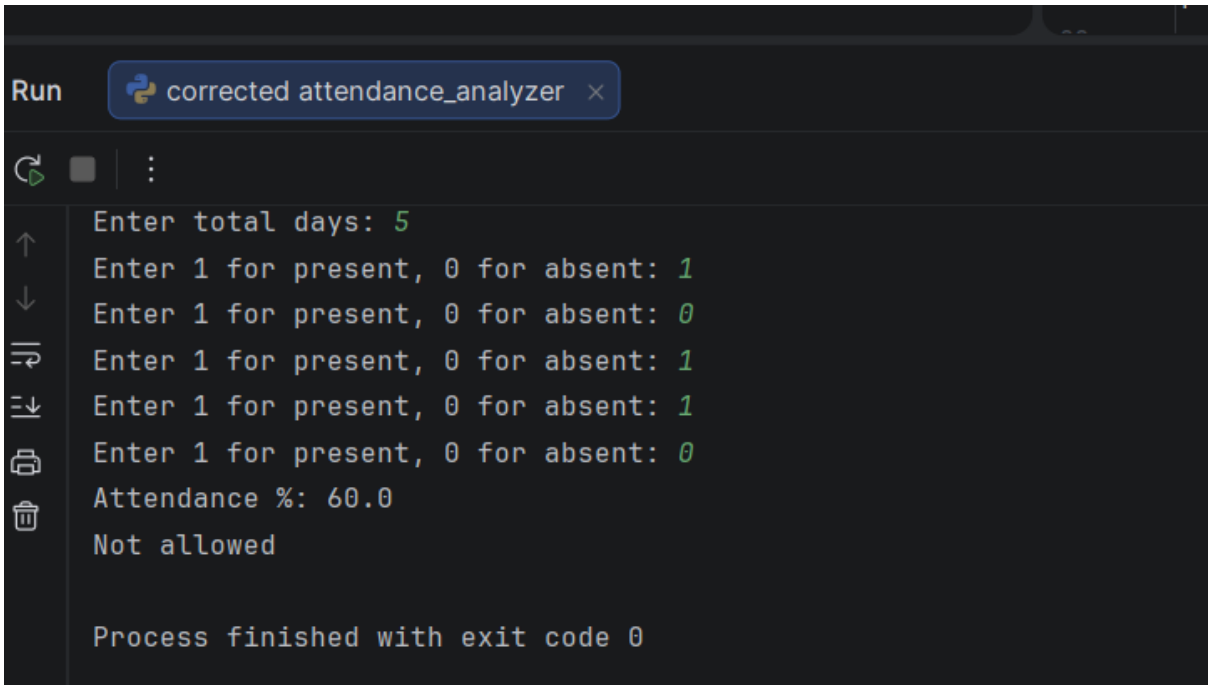
6) **No Input Validation**

- 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**


Run
corrected attendance_analyzer
Enter total days: 5
Enter 1 for present, 0 for absent: 1
Enter 1 for present, 0 for absent: 0
Enter 1 for present, 0 for absent: 1
Enter 1 for present, 0 for absent: 1
Enter 1 for present, 0 for absent: 0
Attendance %: 60.0
Not allowed
Process finished with exit code 0