**AI PRACTICAL ASSIGNMENT -06**

rules = {

"rule1": "If the employee meets all project deadlines, add 20 points to their score.",

"rule2": "If the employee consistently exceeds expectations, add 30 points to their score.",

"rule3": "If the employee shows initiative and takes on additional responsibilities, add 15 points to their score.",

"rule4": "If the employee is frequently absent or misses deadlines, subtract 25 points from their score.",

"rule5": "If the employee consistently performs below expectations, subtract 35 points from their score."

}

def evaluate\_employee\_performance(deadlines\_met, expectations\_exceeded, initiative\_taken, absences, performance\_below\_expectations):

score = 0

if deadlines\_met:

score += 20

if expectations\_exceeded:

score += 30

if initiative\_taken:

score += 15

if absences:

score -= 25

if performance\_below\_expectations:

score -= 35

return score

employee\_data={}

n=int(input("Enter the number of data of employee you want to insert: "))

for i in range(0,n):

name=input("Enter the name of the employee: ")

data={

"deadlines\_met":bool(int(input("Enter the performance of deadlines met in terms of 0 or 1: "))),

"expectations\_exceeded": bool(int(input("Enter the performance of expectations exceeded in terms of 0 or 1: "))),

"initiative\_taken": bool(int(input("Enter the performance of initiative taken in terms of 0 or 1: "))),

"absences": bool(int(input("Enter the performance of absences in terms of 0 or 1: "))),

"performance\_below\_expectations":bool(int(input("Enter the performance of performance below expectations in terms 0 or 1: ")))

}

employee\_data[name]=data

print("Rules for employee evaluation")

for rule in rules.values():

print(f"- {rule}")

for name, data in employee\_data.items():

score = evaluate\_employee\_performance(data["deadlines\_met"], data["expectations\_exceeded"], data["initiative\_taken"], data["absences"], data["performance\_below\_expectations"])

print(f"Employee {name} scored {score} points")

**OUTPUT :**

Enter the number of data of employee you want to insert: 3

Enter the name of the employee: Kushal

Enter the performance of deadlines met in terms of 0 or 1: 0

Enter the performance of expectations exceeded in terms of 0 or 1: 1

Enter the performance of initiative taken in terms of 0 or 1: 1

Enter the performance of absences in terms of 0 or 1: 0

Enter the performance of performance below expectations in terms 0 or 1: 0

Enter the name of the employee: Soham

Enter the performance of deadlines met in terms of 0 or 1: 1

Enter the performance of expectations exceeded in terms of 0 or 1: 0

Enter the performance of initiative taken in terms of 0 or 1: 1

Enter the performance of absences in terms of 0 or 1: 0

Enter the performance of performance below expectations in terms 0 or 1: 1

Enter the name of the employee: Swapnil

Enter the performance of deadlines met in terms of 0 or 1: 0

Enter the performance of expectations exceeded in terms of 0 or 1: 1

Enter the performance of initiative taken in terms of 0 or 1: 1

Enter the performance of absences in terms of 0 or 1: 1

Enter the performance of performance below expectations in terms 0 or 1: 0

Rules for employee evaluation

- If the employee meets all project deadlines, add 20 points to their score.

- If the employee consistently exceeds expectations, add 30 points to their score.

- If the employee shows initiative and takes on additional responsibilities, add 15 points to their score.

- If the employee is frequently absent or misses deadlines, subtract 25 points from their score.

- If the employee consistently performs below expectations, subtract 35 points from their score.

Employee Kushal scored 45 points

Employee Soham scored 0 points

Employee Swapnil scored 20 points