

mid Term Examination

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Subject - Python Programming

FYMCA Div-A

Roll No - 36

Question - 01

Answer -

Code

```
def find_new_salary(current_salary, job_level):
```

```
    if job_level == 3:
```

```
        new_salary = current_salary + (current_salary * 0.15)
```

```
    elif job_level == 4:
```

```
        new_salary = current_salary + (current_salary * 0.2)
```

```
    elif job_level == 5:
```

```
        new_salary = current_salary + (current_salary * 0.25)
```

```
    else:
```

```
        return current_salary
```

```
    return new_salary
```

```
# provide different values for current salary and job  
and test your
```

```
new_salary = find_new_salary(15000, 3)
```

```
print(new_salary)
```

output:-

- If the user gives input 90 for the salary and 2 for the level then the output will be 100
- If the user gives input 90 for the salary and 1 for the level then the output will be 90

Code explanation:-

- The above code works for the question problem because it is defined with the help of the if-elif-statement.

- When the if-statement becomes false the elif statement executes and when it becomes false the else statement or the other statement executes



Question-02

Answer:-

Code:-

```
def calculate_bill_amount(food_type, quantity, distance):  
    bill_amount = 0
```

```
    if ((food_type == "N" or food_type == "V") and quantity > 1  
        and distance > 0):
```

```
        if (food_type == "V"):
```

```
            if (distance <= 3):
```

```
                bill_amount = 128 * quantity + 0
```

```
            elif (distance > 3 and distance <= 6):
```

```
                bill_amount = 128 * quantity + distance * 3
```

```
        else:
```

```
            bill_amount = 128 * quantity + distance * 6
```

```
    else:
```

```
        if (distance <= 3):
```

```
            bill_amount = 150 * quantity + 0
```

```
        elif (distance > 3 and distance <= 6):
```

```
            bill_amount = 150 * quantity + distance * 3
```

```
    else:
```

```
        bill_amount = 150 * quantity + distance * 6
```

```
    else
```

```
        bill_amount = (-1)
```

```
    return bill_amount
```

```
food_type = str(input("Enter vegetarian for 'V'  
Non vegetarian for 'N' :"))
```

```

quantity_food_type = str(input("Enter quantity of plates:\n"))
distance = int(input("Enter distance in kms:\n"))
bill_amount = calculate_bill_amount(food_type, quantity_food_type, distance)
print(bill_amount)

```

output :-

① Enter vegetarian for 'V' and Non vegetarian for 'N':  
V

Enter quantity of plates: 3

Enter distance in kms: 6

378

② Enter vegetarian for 'V' and Non vegetarian for 'N':  
N

Enter quantity of plates: 10

10

Enter distance in kms: 7

7

1542



Question - 03

Solution → print (f"1. Euro In 2. British Pound In 3. Australian Dollar In 4. Canadian Dollar In")

- choice = int(input("Enter choice"))
- reqmoney = int(input("Enter money"))
- result = lambda currency, int: currency \* int

if - choice == 1:

print (f" In Euro {result (- reqmoney, 0.9147)} required")

elif - choice == 2:

print (f" In British Pound {result (- reqmoney, 0.0100)} required")

elif - choice == 3:

print (f" In Australian Dollar {result (- reqmoney, 0.02140)} required")

elif - choice == 4:

print (f" In Canadian Dollar {result (- reqmoney, 0.02037)} required")

else :

print (f" Invalid Choice {-1}")