# Lab Task-3

## Question 1:

### PAC

| Input | Processing | Output |
| --- | --- | --- |
| Number to check if even or odd - n | If n%2 == 0, then we can say that the number is even, otherwise it is odd | Whether the number is even or odd |

### PseudoCode

1. Take the integer input
2. If n%2 == 0 print(“even”)
3. Else print(“odd”)

## Question 2:

### PAC

| Input | Processing | Output |
| --- | --- | --- |
| Take 1st number as an input - a  Take the second number as an input -b | Check using greater than (>) a logical operator, if a is greater than b , is yes print a else print b | Print the greater number |

### PseudoCode

1. A = input(“First number: ”)
2. B = input(“Second number: ”)
3. If a>b print a
4. Else print b

## Question 3:

### PAC

| Input | Processing | Output |
| --- | --- | --- |
| Amount he has-N  Price of one  chocolate- C  Number of  wrappers for  a free  chocolate-M | Number of Chocolates  P = Quotient of N / C  Free chocolate F =  Quotient of P/M | Total number of  chocolates got by  Bob |

### PseudoCode

1. Input price of one chocolate
2. Number of Chocolates
3. P = Quotient of N / C
4. Free chocolate F = Quotient of P/M
5. Print total number of chocolates

## Question 4:

### PAC

| Input | Processing | Output |
| --- | --- | --- |
| Basic Pay, Dearness Allowance (DA) and House Rent Allowance (HRA), PF | Salary = basic salary - DA - HRF + PF | Salary he will get |

### PseudoCode

1. Input DA
2. Input HRA
3. Input PF
4. Salary = basic salary - DA - HRF + PF
5. Print salary

## Question 5:

### PAC

| Input | Processing | Output |
| --- | --- | --- |
| P1 percentage discount , P2 percentage discount, Actual bill amount | If total bill is is greater than 5000 give p1 discount as well as p2 discount, if it is less than 5000 then give only p1 discount | Total Bill |

### PseudoCode

1. Input (“Original amount”)
2. Input (“p1”)
3. input(“p2”)
4. if total bill is is greater than 5000 give p1 discount as well as p2 discount
5. if it is less than 5000 then give only p1 discount