

Review

1. By using **Flowchart**, write algorithm to compute the value of this

equation. $y = \frac{x+3}{x}$ ($x \neq 0$)

Then write the code.

2. By using **Flowchart**, write algorithm to compute the value of this

equation. $y = \frac{x}{x-4}$ ($x \neq 4$)

Then write the code.

3. By using **Flowchart**, write algorithm to ask user to enter age and sex (M or F) then using the following rules to print the place of service.

- If employee is female, she will work only in Mukalla.
- If employee is male and his age between 20 – 40, he may work in anywhere.

4. A student will not be allowed to sit in exam if his/her attendant is less than 75% Take the following input from user :

- Number of classes held.
- Number of classes attendant.

Then print percentage of classes attendant.

Is student allowed to sit in exam or not?

▪ ***Percentage = (No of classes attendant / No of classes held) * 100***

5. A company decided to give bonus of 10% to employee if her/his years of service is more than 5 year.

Ask user for their salary and year of service and print bonus.

6. By using **Flowchart**, write algorithm to swap three numbers?

Then write the code.

Note:

```
Print (f"Num1 = {Num1}")
```

```
Print (f"Num2 = {Num2}")
```

```
Print (f"Num3 = {Num3}")
```

7. A shop decided to give discount of 10% if the cost of purchased quantity is more than 10,000.

- Ask user for quantity.
- Suppose, one piece will cost 1000.
- Print the total cost for user.