

Python Practice – Simple Programs

1) Write an algorithm, draw a flow chart and write a python program for the following requirements.

- a. Read choice from users.
- b. If user's choice is '1', then print 5 points about our India.
- c. If user's choice is '2', then print your details (5 points).
- d. If user's choice is '3', then print 5 points about the Sun.

2) Write an algorithm, draw a flow chart and write a python program for the following requirements.

- a. Read **Basic Pay (BP)**, **House Rent Allowance (HRA)**, **Dearness Allowance (DA)**, **Medical Allowance (MA)** from users.
- b. Calculate the **total salary using the following formulas.**
 - i. **HRA = 15 % of BP**
 - ii. **DA = 25 % of BP**
 - iii. **MA = 15 % of BP**
 - iv. **Total_Salary = BP + HRA + DA + MA**
- c. Print **BP**, **HRA**, **DA**, **MA** and **Total_Salary** in **output screen** in **legible format.**

3) Write an algorithm, draw a flow chart and write a python program for the following requirements.

- a. Read the radius of a circle from user and **calculate its area.**
- b. Read the length and width of a rectangle from user and **calculate its area.**
- c. Compare the area of the circle and the rectangle.
- d. Print **the one** with largest area.