* 1. Draw a flowchart for a program that computes Factorial of a number and displays it.
  2. Draw a flowchart that reads two temperature and displays the message “below Freezing” for temperature less than 32 degrees and vice versa.
  3. Draw a flowchart for broken lamp repairing after checking possibilities of it being on and checking of bulb being fuse or not.
  4. Draw a flowchart for tax calculation. If income greater than 15000 and 60000 then it displays the message pay business tax. If income is less than 15000 it displays the message pay Student tax and if income is less than 60000 it displays the message pay Individual tax.
  5. Construct flow chart for the following scenario.
* Turn on the hot and cold taps.
* Is it too hot or cold? If it is, go to step 3, otherwise go to step 4.
* Adjust the hot and cold taps and go back to step 2.
* Wait for 2 minutes.
* Is the bath full? If it is, go to step 7, otherwise go to step 6.
* Go back to step 4.
* Turn off the hot and cold taps.
  1. The length & breadth of a rectangle and radius of a circle are input through the keyboard. Draw a flow chart to calculate the area & perimeter of the rectangle, and the area & circumference of the circle.
  2. Construct flow chart for the following order processing scenario.
* Receive and order by email.
* Record it in company’s database.
* Check for shipping.
* If yes.

Print invoice

Send email to confirm shipping

Assemble package and ship

* If no

End Process

* 1. If the ages of X, Y and Z are input through the keyboard, write a program to determine the youngest of three.
  2. Write a program to check whether a triangle is valid or not, when the three angles of the triangle are entered through the keyboard. A triangle is valid if the sum of all the three angles is equal to 180 degrees.
  3. Find the absolute value of a number entered through the keyboard.
  4. Write a program to find the greatest of the three numbers entered through the keyboard using conditional operators.
  5. The marks obtained by a student in 5 different subjects are input through the keyboard. The student gets a division as per the following rules:
  + Percentage above or equal to 60 - First division
  + Percentage between 50 and 59 - Second division
  + Percentage between 40 and 49 - Third division
  + Percentage less than 40 – Fail
  1. The program should prompt the user for the appropriate information, using a code to determine the kind of animal (i.e. D or d represents a dog, C or c represents a cat, B or b represents a bird, R or r represents a reptile, and anything else represents some other kind of animal).
  2. After printing the insurance fee, the program should ask the user if (s)he wants to insure another animal.