

Practice Set-I

1. Write a Python program to input the height of the person and check if the height of the person is greater than or equal to 6 feet then print the message "The person is tall".
2. Write a Python program to input the mark of a student and check if the student mark is greater than or equal to 40, then it generates the following message.

`"Congratulation! You have passed the exam."`

Otherwise the output message is

`"Sorry! You have failed the exam."`

3. Input an integer through the keyboard. Write a Python program to find out whether it is an odd number or even number.
4. If the ages of Rahul, Ayush and Ajay are input through the keyboard, write a Python program to determine the elder among them.
5. Write a Python program that prompts the user to enter an integer for today's day of the week (Sunday is 0, Monday is 1... and Saturday is 6). Also prompt the user to enter the number of days after today for a future day and display the future day of the week.

Here is a sample run:

`Enter today's day: 1`

`Enter the number of days elapsed since today: 3`

`Today is Monday and the future day is Thursday`

`Enter today's day: 0`

`Enter the number of days elapsed since today: 31`

`Today is Sunday and the future day is Wednesday`

6. Write a Python program that prompts the user to enter three integers and display the integers in non-decreasing order.

Here is a sample run:

`Enter three integers: 2 4 3`

`Display the integers in non-decreasing order:`

`2 3 4`

7. Write a Python program that prompts the user to enter the month and year and displays the number of days in the month. For example, if the user entered month **2** and year **2012**, the program should display that February 2012 had 29 days. If the user entered month **3** and year **2015**, the program should display that March 2015 had 31 days.
8. A University conducts a 100 mark exam for its student and grades them as follows. Assigns a grade based on the value of the marks. Write a Python program to print the grade according to the mark secured by the student.

| Mark Range | Letter Grade |
|----------------------|--------------|
| ≥ 90 | O |
| ≥ 80 AND < 90 | A |
| ≥ 70 AND < 80 | B |
| ≥ 60 AND < 70 | C |
| ≥ 50 AND < 60 | D |
| ≥ 40 AND < 50 | E |
| < 40 | F |
