

Introduction to Computing

Assignment#02

1. Write a program to obtain the Fibonacci series between 0 to 50
Note : The Fibonacci Sequence is the series of numbers :
0, 1, 1, 2, 3, 5, 8, 13, 21,
Every next number is found by adding up the two numbers before it.

Expected Output : 1 1 2 3 5 8 13 21 34

2. Write a program to enter the month name and it displays the number of days in a given month

Expected Output :

```
List of months: January, February, March, April, May, June,
July, August
, September, October, November, December
Input the name of Month: February
No. of days: 28/29 days
```

3. Write a program to check whether an alphabet is a vowel or consonant.(a,e,i,o,u are the vowels)

Expected Output:

```
Input a letter of the alphabet: k
k is a consonant.
```

4. Write a program to verify a string represent an integer or not

Expected Output:

```
Input a string: Python
The string is not an integer.
```

5. Write a program to enter a sentence and determine the number of upper case letters and lower case letters.

Expected Output:

```
Hello world!
```

UPPER CASE 1
LOWER CASE 9

6. Write a program to ask a user to enter the date of birth and on the basis of input it display astrological sign associate with it.

♈	Aries, head	ARI	<i>Mar. 21–Apr. 20</i>
♉	Taurus, neck.	TAU	<i>Apr. 21–May 20</i>
♊	Gemini, arms	GEM	<i>May 21–June 20</i>
♋	Cancer, breast.	CAN	<i>June 21–July 22</i>
♌	Leo, heart.	LEO	<i>July 23–Aug. 22</i>
♍	Virgo, belly	VIR	<i>Aug. 23–Sept. 22</i>
♎	Libra, reins.	LIB	<i>Sept. 23–Oct. 22</i>
♏	Scorpio, secrets.	SCO	<i>Oct. 23–Nov. 22</i>
♐	Sagittarius, thighs	SAG	<i>Nov. 23–Dec. 21</i>
♑	Capricorn, knees	CAP	<i>Dec. 22–Jan. 19</i>
♒	Aquarius, legs	AQU	<i>Jan. 20–Feb. 19</i>
♓	Pisces, feet.	PSC	<i>Feb. 20–Mar. 20</i>

Expected Output:

Input birthday: 15

Input month of birth (e.g. march, july etc): may

Your Astrological sign is : Taurus

Note: Name of the file should start with your Roll number followed by your Name and at the end assignment number

e.g P170000NAMEAssign02

Assignment will not be accepted if you don't follow the above mentioned format.