

**Experiment No.**

Student Name : \_\_\_\_\_ PRN \_\_\_\_\_

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**Objective:** Learn about string formatting.**Theory:****3.1 String Formatting**

Write a python script to print the current date in the following format.

Wed May 25 02:26:23 IST 2011

The function `time.localtime` returns the time as object, with the following members.

```

tm_year      :      Year
tm_mon       :      Month, range [1,12], January is 1
tm_mday      :      Day of the month
tm_hour      :      Hours in 24hr format
tm_min       :      Minutes
tm_sec       :      Seconds
tm_wday      :      Day of the week, range [0,6], Monday is 0
tm_yday      :      Day of the year

```

E.g.

```

from time import localtime    # import local time

```

```

week = [ "Mon", "Tue", "Wed", "Thu", "Fri", "Sun" ]
year = [ "Jan", "Feb", "Mar", "Apr", "May", "Jun", "Jul", "Aug", "Sep", "Oct", "Nov",
"Dec" ]

```

```

def print_date():

```

```

    t = localtime()
    fmt = "%s %s %d %02d:%02d:%02d IST %d"
    day = week[t.tm_wday]
    mon = year[t.tm_mon - 1]
    print fmt % (day, mon, t.tm_mday, t.tm_hour, t.tm_min,t.tm_sec, t.tm_year)

```

```

print_date()    # function call

```

### 3.2. Vowel's Counting

Write a Python program to count and display the vowels of a given text.

```
def vowel(st):
    vowels = "aeiuoAEIOU"
    print(len([letter for letter in text if letter in vowels]))
    print([letter for letter in text if letter in vowels])

st=raw_input("Enter a string : ")    #outside of function definition
vowel(st);                          # Function Call
```

### Lab Assignments:

1. Write a python function that:
  - a) print the current date in different format
  - b) print the count of vowels in the given string

**Course Teacher Sign and Date**