



**Ganpat
University**

॥ विद्यया समाजोत्कर्षः ॥

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Sub: (2CSE403) FUNCTIONAL PROGRAMMING

Branch: CBA

Batch:41

-----PRACTICAL 1----- -----

 Question:-

1. Shyam wants to know age of his grandfather who was born on 5th June,1947. Kindly help shyam to know how old is his grandfather? Also, print the calendar for the month and year on which shyam's grandfather was born.
2. In an online game competition, a registration form has to be filled up byuser. Kindly help user to perform following operation while submitting form.
 - a. User have to submit their detail and a message should be displayed indicating filled details.
 - b. Also submitting time of the form should be noted indicating when the form was last edited.
3. Given a number game one needs to generate any random number; iteratethrough the all digits present and print the sum of all digits.

Here is a sample run:

Enter a number between 0 and 1000:43

The sum of the digits is 7

□ Source Code:-

```
# Tushar's Practical 1 from datetime
import date from datetime import
datetime import random import
calendar

def calculateAge(birthDate):
    today = date.today()    age = today.year -
    birthDate.year - \
        ((today.month, today.day) < (birthDate.month, birthDate.day))

    return age

# -----1----- print("-----1-----") print("Age of Shyam's
grandfather is :") print(calculateAge(date(1947, 6, 5)), "years") y = 1947 m = 6
print("\nCalander of month which Shyam's Grandfather was born:\n") print("-----
-----") print(calendar.month(y, m)) print("-----2-----")
print("-----2-----") name = input("Enter your name: ") age = int(input("Enter
your age:")) print("-----") print("Your Name is: ", name) print("\nYour Age
is : ", age) now = datetime.now()

current_time = now.strftime("%H:%M:%S") print("\nCurrent Time =",
current_time)

# -----3----- print("-----3-----")

def getSum(n):    sum = 0    for
digit in str(n):    sum +=
int(digit)    return sum

n = input("Enter a number between 0 and 1000: ") print("\nThe
sum of the digits is :", getSum(n))
```

□ Output:-

Q.1:-

```
-----1-----
Age of Shyam's grandfather is :
75 years

Calander of month which Shyam's Grandfather was born:

-----
      June 1947
Mo Tu We Th Fr Sa Su
          1
 2  3  4  5  6  7  8
 9 10 11 12 13 14 15
16 17 18 19 20 21 22
23 24 25 26 27 28 29
30
-----
```

Q.2:-

```
-----2-----
Enter your name: Tushar
Enter your age:19
-----
Your Name is:  Tushar

Your Age is :  19

Current Time = 09:37:40
```

Q.3:-

```
-----3-----
Enter a number between 0 and 1000: 52

The sum of the digits is : 7
```