Write a program/function in any programming language that will print out data type, number of byte(s) used by the data type, and its range of data value for ALL primitive/built-in data types.

## Steps for execution

- 1. Copy the code from "Advanced Software Paradigms\_CSCI\_6221\_10\_Sagar\_Sheth\_HW3.txt".
- 2. Open the below link in the web browser.
  - a. https://www.tutorialspoint.com/online\_python\_compiler.php
- 3. Paste the Code in and Click on the Execute Button.

```
®⊚ Execute
         ∰ Beautify | 🗞 Share Source Code 🥒 Help
   import random
 3 - def fib(n):
        x=[]
        for i in range(n+1):
            if i==0:
               x.append(0)
            elif i==1:
               x.append(1)
                if len(x)==n:
                x.append(x[i-1]+x[i-2])
16 - def lgc_loop_guarded_command(a, b, c):
        expressions=[]
        for i in range(a,b+1):
20
            expressions.append([c % i == 0,fib(i)])
        true expressions = []
        for exp in expressions:
            if exp[0]:
                true_expressions.append(exp)
        random_exp=random.choice(true_expressions)
        if random_exp[0]==1:
            print(random_exp[1])
34 lgc_loop_guarded_command(3,6,12)
```

4. The below output should be displayed on the terminal.

