

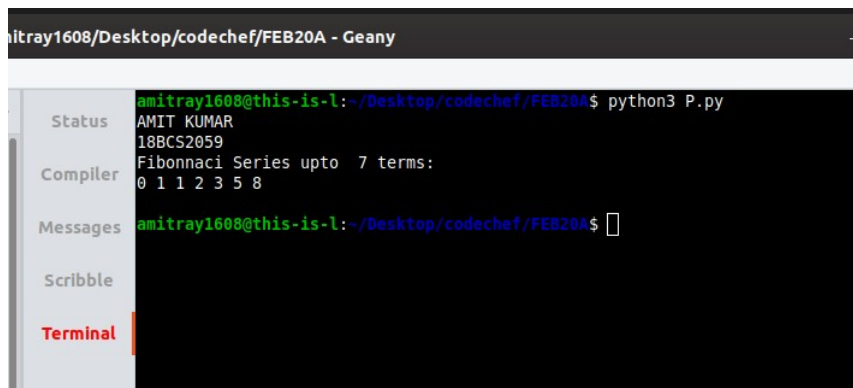
AIM : PROGRAMS TO DEMONSTRATE THE USE OF USER DEFINED, PREDEFINED FUNCTIONS, GLOBAL AND LOCAL VARIABLES.

1. IMPLEMENTING USER DEFINED FUNCTION FOR PRINTINTING FIBONACCI SERIES.

CODE:

```
print("AMIT KUMAR")
print("18BCS2059")
def fibonacci(n):
    a = 0
    b = 1
    print("Fibonnaci Series upto ", n, "terms: ")
    for i in range(n):
        print(a, end = " ")
        t = a
        a = b
        b = t+b
    fibonacci(7)
print("\n")
```

OUTPUT:



The screenshot shows a code editor window titled 'nitray1608/Desktop/codechef/FEB20A - Geany'. The editor contains a Python script. The output of the script is displayed in the terminal pane on the left, which is titled 'Terminal'. The output shows the program's execution: 'AMIT KUMAR', '18BCS2059', and 'Fibonnaci Series upto 7 terms: 0 1 1 2 3 5 8'. The terminal also shows the command 'python3 P.py' being executed.

AMIT KUMAR (18BCS2059)

2. PROGRAM TO IMPLEMENT THE USE OF PREDEFINED FUNCTION.

CODE:

```
print("AMIT KUMAR")
print("18BCS2059")
a = 88
b = 7
print("\nOUTPUT OF max INBUILT FUNCTION")
print(max(a, b))
print("OUTPUT OF min INBUILT FUNCTION")
print(min(a, b))
print("OUTPUT OF bin INBUILT FUNCTION")
print(bin(a))
print("OUTPUT OF range INBUILT FUNCTION")
print(list(range(1, 9)))
print("OUTPUT OF dir INBUILT FUNCTION")
print(dir(a))
s = "I AM STRING"
print("OUTPUT OF len INBUILT FUNCTION")
print(len(s))
```

OUTPUT:

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```
P.py - /home/amitray1608/Desktop/codechef/FEB20A - Geany
Help
amitray1608@this-is-l:~/Desktop/codechef/FEB20A$ python3 P.py
AMIT KUMAR
18BCS2059

OUTPUT OF max INBUILT FUNCTION
88
OUTPUT OF min INBUILT FUNCTION
7
OUTPUT OF bin INBUILT FUNCTION
0b1011000
OUTPUT OF range INBUILT FUNCTION
[1, 2, 3, 4, 5, 6, 7, 8]
OUTPUT OF dir INBUILT FUNCTION
['abs', 'add', 'and', 'bool', 'ceil', 'class', 'delattr', 'dir', 'divmod', 'doc', 'eq', 'float', 'floor', 'floordiv', 'format', 'ge', 'getattr', 'getne', 'wargs', 'gt', 'hash', 'index', 'init', 'init subclass', 'int', 'invert', 'le', 'lshift', 'lt', 'mod', 'mul', 'ne', 'neg', 'new', 'or', 'pos', 'pow', 'radd', 'rand', 'rdivmod', 'reduce', 'reduce ex', 'repr', 'rfloordiv', 'rlshift', 'rmod', 'rmul', 'ror', 'round', 'rpow', 'rrshift', 'rshift', 'rsub', 'rtruediv', 'rxor', 'setattr', 'sizeof', 'str', 'sub', 'subclasshook', 'truediv', 'trunc', 'xor', 'bit length', 'conjugate', 'denominator', 'from_bytes', 'imag', 'numerator', 'real', 'to_bytes']
OUTPUT OF len INBUILT FUNCTION
11
amitray1608@this-is-l:~/Desktop/codechef/FEB20A$
```

3. PROGRAM TO IMPLEMENT LOCAL AND GLOBAL VARIABLE.

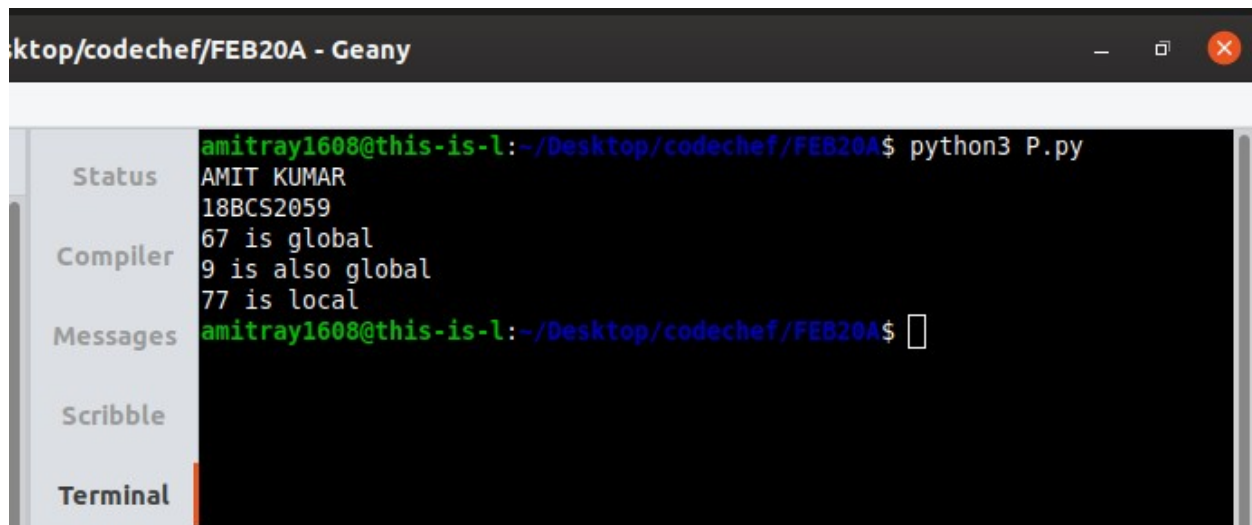
CODE:

```
print("AMIT KUMAR")
print("18BCS2059")
g = 9
def check():
    global x
    x = 67
    v = 77
    print(x, "is global")
    print(g, "is also global")
    print(v, "is local")
check()
```

OUTPUT:

AMIT KUMAR (18BCS2059)

PYTHON LAB (CSP - 285)



```
ktop/codechef/FEB20A - Geany

Status    amitray1608@this-is-l:~/Desktop/codechef/FEB20A$ python3 P.py
          AMIT KUMAR
          18BCS2059
Compiler  67 is global
          9 is also global
          77 is local
Messages  amitray1608@this-is-l:~/Desktop/codechef/FEB20A$ 
Scribble
Terminal
```

AMIT KUMAR (18BCS2059)