

Python 1.12

CODE:

```
a=5
print(type(a))
b="india"
print(type(b))
c=3.14
print(type(c))
```

OUTPUT:

```
<class 'int'>
<class 'str'>
<class 'float'>
```

CODE:

```
print("\n\n")
e = """India, officially the Republic of India,
is a country in South Asia. It is the second-most
populous country,
the seventh-largest country by land area,
and the most populous democracy in the world."""
print(e)
```

OUTPUT:

```
India, officially the Republic of India,
is a country in South Asia. It is the second-most
populous country,
the seventh-largest country by land area,
and the most populous democracy in the world.
```

CODE:

```
f = "Hello, World!"  
print(f[1])  
g = "Hello, World!"  
print(g[-1])
```

OUTPUT:

```
e  
!
```

CODE:

```
String1="India ISRO DRDO"  
print("Initial String: ")  
print(String1[3:-2])
```

OUTPUT:

```
Initial String:  
ia ISRO DR
```

CODE:

```
a="akshat kumar"  
print(len(a))
```

OUTPUT:

```
12
```

CODE:

```
k="    hey i am akshat"
print(k.strip())

j="    hello there i am akshat kumar    ."
print(j.strip())
```

OUTPUT:

hey i am akshat

hello there i am akshat kumar .

CODE:

```
l="Akshat Kumar"
print(l.lower())
m="akshat kumar"
print(m.upper())
```

OUTPUT:

akshat kumar

AKSHAT KUMAR

CODE:

```
arc="AAAABBBCCC"
print(arc.replace("A", "D"))
```

OUTPUT:

DDDDBBBCCC

CODE:

```
abc="Hey there i am akshat kumar"  
s="akshat" in abc  
print(s)
```

OUTPUT:

True

CODE:

```
ac="this is computer language and programming"  
g="science" in ac  
print(g)
```

OUTPUT:

False

CODE:

```
a="hey "  
b="there"  
c=a+b  
print(c)
```

OUTPUT:

hey there

CODE:

```
a=2  
a=5  
g=7  
k=a+g  
print(k)
```

OUTPUT:

12

INPUT:

```
age=18
txt="My name is akshat, and i am {}"
print(txt.format(age))
```

OUTPUT:

My name is akshat, and i am 18

INPUT:

```
ag1=18
ag2=50
ag3=45
txt="My age is {}, my father's age is {}, and my mom's age is {}."
print(txt.format(ag1,ag2,ag3))
```

OUTPUT:

My age is 18, my father's age is 50, and my mom's age is 45.

INPUT:

```
apple=60
mango=90
lime=15
txt="the price of aple is {}, mango is {}, and lime is {}."
print(txt.format(apple,mango,lime))
```

OUTPUT:

the price of aple is 60, mango is 90, and lime is 15.

INPUT:

```
txt="hey there i am \"akshat\"."
print(txt.capitalize())
```

OUTPUT:

Hey there i am "akshat".

INPUT:

```
txt="i am akshat of khagaria"  
print(txt.count("a"))
```

OUTPUT:

6

INPUT:

```
demo="this is vit"  
print(demo.endswith("t"))
```

OUTPUT:

True

INPUT:

```
a="hey"[::-1]  
print(a)  
b="akshat"[::-1]  
print(b)
```

OUTPUT:

yeh

tahska

INPUT:

```
i=0
text="PINEAPPLE"
while i < len(text):
    print(text[i])
    i += 1
```

OUTPUT:

P
I
N
E
A
P
P
L
E

INPUT:

```
print("\n\n\n")
i=65
j=1
while j <= 26:
    print (chr(i))
    i=i+1
    j=j+1
```

OUTPUT:

A
B
C
D
E
F
G
H
I
J
K
L
M
N
O
P
Q
R
S
T
U
V

W
X
Y
Z

1. Program to print all characters in a given string in forward and reverse order.

```
txt=input("Enter your words: ")  
print(txt)  
print(txt[::-1])
```

OUTPUT:

```
C:\Users\user\Desktop\python>C:/Users/user/AppData/Local/Programs/Python/Python3  
8-32/python.exe c:/Users/user/Desktop/python/geeks/1.12.5.py  
Enter your words: COMPUTER  
COMPUTER  
RETUPMOC  
  
C:\Users\user\Desktop\python>
```