In [4]:

```
print('30 days 30 hour challenge')
print("30 days 30 hour challenge")
```

```
30 days 30 hour challenge
30 days 30 hour challenge
```

In [5]:

```
#Assigning String to Variable:
```

In [6]:

```
Hours= "thirty"
print(Hours)
```

```
thirty
```

In [7]:

```
#Indexing using String:
Days="Thirty Days"
print(Days[3])
```

```
r
```

In [11]:

```
# print the particular character from certain text (Slicing)
A="I will Code"
print(A[2:])
print(A[7:11])
# spaces contain indexing !!!
```

```
will Code
Code
```

In [13]:

```
#Printing the Length of the character
a = "Im a Python Programmer"
print(len(a))
#Spaces also contain Length !!!
```

```
22
```

In [15]:

```
# Converting Lower Case and Upper Case character
b="Im A Python Programmer"
print(b.lower()) #Converting to all lower case
c="im a python Programmer"
print(c.upper()) #Converting to all Upper Case
```

```
im a python programmer
IM A PYTHON PROGRAMMER
```

In [16]:

```
#String Concatenation - Joining two strings
d="30 Days"
e="30 Hours"
f=d+e
print(f) # Note there is no space in between the words
```

```
30 Days30 Hours
```

In [18]:

```
# TO add spaces
d="30 Days"
e="30 Hours"
f=d+" "+e
print(f)
```

```
30 Days 30 Hours
```

In [19]:

```
# Case Fold
text = "Thirty days and Thirty hours"
x = text.casefold()
print(x) # Converts All into lower case in Paragraph
```

```
thirty days and thirty hours
```

In [21]:

```
text = "Thirty days and Thirty hours"
x = text.capitalize()
print(x)
```

```
Thirty days and thirty hours
```

In [27]:

```
text = "Thirty days and Thirty hours"
x = text.find("i")
print(x) # find how many letters are there
```

```
2
```

In [30]:

```
text = "Thirty days and Thirty hours"
x = text.isalpha()
print(x)
y="pythonProgrammer"
z=y.isalpha()
print(z)
#  returns False if the string contians  (space)!#%&?
```

```
False
True
```

In [33]:

```
txt = "Company10"
x = txt.isalnum()
print(x)

y="python Programmer"
z=y.isalnum()
print(z)
#returns False if the string contians  (space)
#This method returns true if all characters in the string are alphanumeric and there is a
t least one character, false otherwise.
```

```
True
False
```