

Topics

- creating tables

Name	Age	Loc	Des
Ruthu	24	Guntur	Trainee
Nandini	24	Krishna	S/W
Student	20	Visakhapatnam	Beginner

Welcome to Markdown course

html tag

markdown

hi

Python

it is a general purpose,high level and interpreted programming language

1. General purpose

- Used for multiple purposes such as scientific computation and development

2. High level and

- user understandable language

3. Interpreted language

- there is no compilation in the middle,gives us the line by line execution

- Features

1. platform independent
 - cmd,IDLE,pycharm,anaconda3
2. dynamically typed
 - there is no type declaration,data types allocated at run time
3. semi-object oriented language
 - it supports oops concepts
4. syntax free
 - no need to start with libraries/package
5. it is both case sensitive and space sensitive

- indentation is main
- 6. easy to learn and simple to code
 - seems to be english language
- **Applications of python**
 - it is the build block of all current running technologies Data Analysis,Artificial,Machine Learning(parts of Data Science), Cloud Computing,Robotics,IoT,Development etc.
 - simplicity
 - contains inbuilt modules
 - College(4 year)--branches--ground level works-->students
 - Now a days everyone is using the data and generating data(social)

html code

paragraph

Tasks

1. Highlight the sub text in the sentence as ouput
 - I am from 'GVPCE' located at xxx
2. w r p to print the middle char of your name
 - i/p:priya;o/p:i
3. w r p to print
 - i/p:Code
 - o/p:C CoCodCode

print() is the predefined to display the ouput to the user

1. prints the message
 - anything enclosed in either " or double ""
2. prints the value
 - doesn't need quotations

In [5]:

```
1 print("I am Trainer cum Developer") # message/text
```

...

In [6]:

```
1 print(',',mdfkks890-0sd7f76yhmn dsm,')
```

,mdfkks890-0sd7f76yhmn dsm,

In [7]:

```
1 print('' mutiple quotation'') # string
```

mutiple quotation

In [8]:

```
1 # print the numbers/values
2 print(90)
```

90

In [9]:

```
1 print(89)
```

...

In [10]:

```
1 x='priya'
2 x[2]
```

Out[10]:

'i'

In [11]:

```
1 # 7 Length # should be dynamic
```

In [12]:

```
1 print("I am 'Ruthu' working as 'Trinee'")
```

I am 'Ruthu' working as 'Trinee'

In [13]:

```
1 print('I am "Ruthu"')
```

I am "Ruthu"

In [14]:

```
1 name='alekhya' # read from user
2 a=len(name) # fine
3 b=a//2 # exact division
4 print(name[b])
5
```

k

In [15]:

```
1 # i/p:word:middle 2 chars
2 ## wwoworword
```

In [3]:

```
1 st=input()
2 res=""
3 n=len(st)
4 for num in range(n): #4:3
5     res+=st[:num+1] # range,index[st,sp]sp-1
6 res
```

...

Errors in python

- an invalid statement in the program is called an error
- 3types
 1. syntax error
 - error related to syntax
 2. value error
 - type error,value error,key error,file not found error
 3. indentation error
 - error related to space

In [4]:

```
1 print("started with double and ended with single')
```

...

In [8]:

```
1 print('hi')
```

hi

In [9]:

```
1 name='r'
```

In [10]:

```
1 "sometimes"
```

Out[10]:

'sometimes'

In [11]:

```
1 # if,loops,functions (block of code) indicated by :
2
```

In [12]:

```
1 # can you add any 2 integers
2 # subtract your age from your mother's age
3 # your name from your father's/mother's name
```

In [13]:

```
1 # integer
2 mothers_age=45
3 age=20
4 mothers_age-age
```

...

In [14]:

```
1 mom='srikanya'
2 you='student'
3 mom-you
```

...

In [15]:

```
1 # can you add your age and name
```

In [16]:

```
1 5*3 # 5times
```

...

In [21]:

```
1 3*'prathyusha' # 5times duplicated
```

...

In [18]:

```
1 90+45
```

...

In [19]:

```
1 'first'+'second'
```

...

In []:

```
1
```

In []:

```
1
```

