Trainer :- Deepinder Bhatti

```python
# this code shows how variables are created in python
date=5 # good quality
x=5 #bad quality code, nobody can understand
my_name="deepinder singh" # my name is written in form of snake casing
, u can use single case and double case
print("Today is Wednesday")
```

Today is Wednesday

```python
print(my_name)
print(type(my_name))
```

deepinder singh
<class 'str'>

```python
temperature=25.5
print(type(temperature))
```

<class 'float'>

Note as soon as u type one bracket close the bracket at same time

python is case sensitive

it consider lowe case and upper case differently. My_name is different to my_name

```python
# Variables
```

Task 1

assign a message to a variable

```python
welcome_message="hey ankit how's your day"
print(welcome_message)
```

hey ankit how's your day

```python
# Strings

a string is a series of character
"this is a string"
change case using title (),upper(),lower() methods.
```

```python
print(welcome_message.title())  # of all words 1st word is converted
into capital
```

Hey Ankit How'S Your Day

```python
print(welcome_message.upper())      # all words in upper case
```

```
HEY ANKIT HOW'S YOUR DAY

print(welcome_message.lower())

hey ankit how's your day

message="All is well"
print(f"amir khan said {message.title()} in 3 idiots")  #
concatenation using f string

amir khan said All Is Well in 3 idiots

# concatenation using + string
print("amir khan said " + message.title()+" in 3 idiots")  #
concatenation using +

amir khan said All Is Well in 3 idiots

first_name="deepinder"
middle_name="singh"
last_name="bhatti"
print(f"My full name is {first_name} {middle_name} {last_name}")

My full name is deepinder singh bhatti

first_name="deepinder"
middle_name="singh"
last_name="bhatti"
full_name=f"{first_name} {middle_name} {last_name}"
print(f"My full name is {full_name}")

My full name is deepinder singh bhatti
```

stripping white spaces

.strip .lstrip() .rstrip

```
first_name="deepinder"
middle_name="singh"
last_name="bhatti"
full_name=f"{first_name} {middle_name} {last_name}"
print(f"My full name is {full_name.rstrip()}") # it removes spaces on
right hand side

My full name is deepinder singh bhatti

first_name="     deepinder"
middle_name=""
last_name="bhatti   "
full_name=f"{first_name} {middle_name} {last_name}"
print(f"My full name is {full_name}") # it removes spaces on any side
```

```python
#full_name.strip()
print(f"My full name is {full_name.strip()}")
```

TASK 2

```python
name="John"
print("Hello " +name + ",'how is the weather today?'")
```

```
Hello John,'how is the weather today?'
```

```python
print(f'"Hello {name} ,how is the weather today?"')
```

```
"Hello John ,how is the weather today?"
```

```python
famous_person="Albert Einstein"
print(famous_person + ' once said,"A person who never made a mistake
never tried anything"')
```

```
Albert Einstein once said,"A person who never made a mistake never
tried anything"
```

```python
print(f'{famous_person} once said,"A person who never made a mistake
never tried anything"')
```

```
Albert Einstein once said,"A person who never made a mistake never
tried anything"
```

```
 a mistake never tried anything"')
```

Python Day 1 Assignment

```python
first_name='Sam'
day='Friday'
mood='Happy'
print(f'My name is {first_name}, it is {day} and I am {mood}')
```

```
My name is Sam, it is Friday and I am Happy
```

```python
# if else , loops
```