

Session 2 Assessment.

Question 1

Assign the number 15 to a variable called `myfavnumber`

Question 2

assign the string 'Python' to a variable called `myfavword`

Question 3

Assign this string 'Lee' to a variable called `userName` and use the `print()` function to print the value of `userName`

After printing the value of `username` update `username` to 'James' and print it again.

Note: the `print()` function is a built-in Python function that we use to display messages values of variable or results of mathematical operations.

We simply enclosed the message variable name or mathematical expression inside the pair of parentheses for instance to print the value of `username` we write

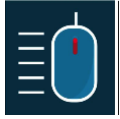
```
print (userName)
```

Question 4

Determine the output of the following programme without running the code

```
num1 = 5
```





Num = 8

```
Print (num1)
```

```
Print (Num1)
```

Question 5

Explain what is wrong with the following statement

```
1num = 9+3
```

Question 6

determine the output of the following programme without running the code

```
a = 17
b = 76
a = b
print (a)
```

Question 7

```
x, y = 5, 4

print(x + y)
print(x - y)
print(x * y)
```

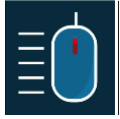
Question 8

Assign the values 12 and 5 to two variables a and b respectively.

Find the sum and product of a and b and assign the result to another 2 variables sum and product respectively

Print the values of sum and product





Question 9

Assign the value 13, 7 and 5 to two variables `a`, `b` and `c` respectively use the variable to evaluate the mathematical expression below

$$(13 + 5) * 7 + 5 - 13$$

Assign the result to a variable called `result` and print out the value of `result`

Question 10

Assign the value 11 and 7 to two variables `x` and `s` respectively add `x` to `s` and assign the result back to `x` print the value of `x` and `s`

Question 11

Think of an integer (number) and assign it to a variable perform the following steps on the variable:

Add 17 to it.

Double the result.

Subtract 4 from the result.

double the result again.

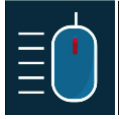
Add 20 to the result.

Divided result by 4.

Subtract 20 from the result.

Each step involves operating on the result from the previous step and assigning the new result back to the variable
Print the final answer. What number did you get?





Question 12

Write a Python program to print the following string in a specific format (see the output). Sample String: "Twinkle, twinkle, little star, How I wonder what you are! Up above the world so high, Like a diamond in the sky. Twinkle, twinkle, little star, How I wonder what you are"

Expected Output :

```
Twinkle, twinkle, little star,  
    How I wonder what you are!  
    above the world so high,  
        Like a diamond in the sky.  
Twinkle, twinkle, little star,  
    How I wonder what you are
```

Hint. `Print(\n)` displays next line
`Print(\n\t)` displays next line in a tab

