Task 1: Rewrite this line so it's valid:

if species = "cat":

```
In [ ]: 1 if species == "cat":
```

Task 2: Code the first line of an if statement that tests whether x has the same value as y

```
In [2]: 1 if x == y:
```

Task 3:On line 1, test whether a has the same value as b. On line 2, write that c equals d.Don't forget to indent the second line.

```
In [ ]: 1 if a == b: c = d
```

Task 4:If total has the value of 100, then tax has the value of 2. Code both lines. Don't forget to indent the second line.

Task 5: If first_name is "Sherlock", then last_name is equal to "Holmes" and pal is equal to "Watson".Code all three lines.

Task 6: Ask user to Enter "yes" or "no". If user entered "yes" tell Python to print "congrats", if

"no", tell python to print "better luck next

enter the asked keywords----yes
congrats

Task 7: Code the first line of an if statement testing whether the variable total is less than 100.

```
In [ ]: 1 if total<100:
```

Task 8: Write a program: Ask user to enter a value in range of 1 -> 1000.if the value is greater then 500, then write "greater than 500" else write "smaller than 500".

Enter a value in the range of 1 to 1000: 455 Smaller than 500

Task 9: Code if statement that tests whether the Difference of a and b (take input from user) is greater than or equal to c= - 7.

```
Enter the value of a: 1
Enter the value of b: 19
The difference between a and b is smaller than -7.
```

Task 10: Write an if statement that tests whether a variable is smaller than 99. If the test passes, assign 99 to the variable. Make up the variable name. Remember to indent the second line two spaces.

Task 11: Write an if statement that tests whether a first variable is greater than a second variable. (Take both values from the user) If the test passes, make the second variable equal to the first variable. Make up the variable names.