Module D.1 Answers

Level 0: Basic Math & Strings

1. 5+10-6

=9

2. 5\*15/2

=37.2

3. 150/5 130/4

=30 =32.5

4. Round(150/5)=30 Round(130/4)=32.5 which rounded is 31

5. ‘=’ means the sum of the equation

‘==’ means equal to

6. 12+2-3\*4/2>=8

>= True

12+2-3\*4/2>=9

>= False

7. Because with quotations the command/character itself is being initialized as each of those c characters has a position in the string called an index.

Any string/word that is written in quotations “” equates to an answer in single quotes as it l looks at it as just words

8. You can only add (+) numbers/words/characters not subtract them (-)

You can repeat/multiply “apple” but you can’t divide it.

9. ‘A’ + ‘K’ + ‘A’ + ‘S’ + ‘H’ + ‘D‘ + ‘E’ + ‘E’ + ‘P’

0 1 2 3 4 5 6 7 8

10. He forgot to add 0 and started the index with 1 instead.

It prints “B”

11. It give an error because there is no 7th characters in “Hello” only 4.

Level 1:

1. It gives me 12.0

typing kittens / 3 work because 6\*6 is set to puppies and not kittens. Also because I have 6\*6 s a name which is puppies.

2. So basically you are giving a value a name so whenever you type puppies=36 in the IDE then s you type puppies after then it is going to say 36 as the answer.

Puppies=puppies/6 is 6 because you are doing 36/6 because puppies is set as 36.

Puppies is 36 because before you set puppies as 36.

3. Done and Read

4. ‘red36’ as you add what equates to colour and puppies.

5. 'yellowMondayMondayMonday'

'yellowMondayyellowMondayyellowMonday'

6. 4

r = "watermelon"

r [4]

'r'

7. When we're assigning a value, we're saying "this equals to that". That's a short sentence, so it only gets one equal sign: =

But when we're comparing values, we're asking "is this thing equal to that thing?". And that is a longer sentence, so it gets two equal signs: ==

8. TypeError: must be str, not int

int = integer, str = string

9. It is a Syntax Error

10. print("Akashdeep","Rai")

Akahdeep Rai

11. This is because of the quotations not being used in the second example.

12. They are very important as we use them in programming a lot when we need to make decisions about what to do in our code:

13. There is no maybe because our technology is not in term advanced for there to be a maybe.

Level 2:

1. True

False

False

False

There are no other possible outcomes with True/False because the outcomes listed above are the only outcomes(2\*2=4)

The (and) is similar to (or) it is different because and is comparing more than one thing while or compares two

2.True

True

True

False

The (and) is similar to (or) it is different because and is comparing more than one thing while or compares two

3. False

False

False

True

The (and) is similar to (or) it is different because and is comparing more than one thing while or compares two But its saying the option has to be opposite

4. Because one is saying that it can't be True and the second one is saying that it can't be true but can be true

Because both of them are saying that True cannot be the answer given so that’s why it gave false

5. 3==1 3==3, “Akashdeep”== “Akashdeep”, 2==2,2==1

False True, True, True False

6. Toronto FC, Toronto Maple Leafs

7. Sports[1]

8. DONE

9. Number = “1”

If Number == “1”

Print(“Hi Rai!”)

Hi Rai!

10. If myname == “Akashdeep”:

Print(“Hi Akashdeep!”)

else:

print(“Rai!”)

11. if myname == "Akashdeep":

print("Hi Akashdeep!")

elif myname == "bob":

print("Hi bob!")

elif myname == "Amar":

print("Hi Amar!")

elif myname == "Daniel":

print("Hi Daniel!")

elif myname == "Gurnoor":

print("Hi Gurnoor!")

elif myname == "Bikram":

print("Hi Bikram!")

else:

print("Who are you?!?")