1. In the code below:

i) determine the missing words in the print () statements.

ii) then rewrite the statements as one if…elif statement, using logical operators.

```
if choice_red == True:

        if choice_blue == True:
                print (“Both applied”)
        else:
                print(“Only _________ applied”)     #fill in the missing word

else:
        if choice_blue == True:
                print (“_____________________”)      #fill in the missing message
        else:
                print(“_____________________”)       #fill in the missing message
```

2. Write a program number_sorter that accepts a number between 1 and 100, inclusive, and which distinguishes number by the following criteria, to be testing in order:
a) number is divisible by 10, print a message stating “Criteria A”
b) number is divisible by 5 or is strictly less than 40, print “Criteria B”
c) number is less strictly less than 60, print “Criteria C”
d) otherwise, print “Does not match any Criteria”
Use only 1 “if…elif” statement and compound Boolean expressions

3**.** Write a program for the College of Pokemon Trainers that calculates the admission fee for Prospective Trainers (PTs), based on a number of factors. PTs must 16 years old or older. PTs are rated according to their experience using the codes N, E and M, respectively, for New, Experienced and Master level experience. The program will determine the admission fee charged to PTs according to the following table:

Age	Experience	Fee
16 – 25, inclusive	N	$2.00
“	E	$1.50
“	M	$1.00
26 – 60, inclusive	N	$1.50
“	E	$1.00
“	M	$0.75
greater than 60	N	$0.90
“	E, M	$0.75

Use compound boolean expressions.
Any age less than 16 should result in a message indicating the applicant is ineligible for the program.