1. Determine and print domain D, predicate P of the following expression then write the statement in formal form:
   (a) For all fishes, they need water to survive.
   (b) Exist a person, who is left handed
   (c) Exist an employee in the company, who is late to work everyday.
   (d) For all fishes in this pond, they are Koi fish.
   (e) There is at least one creature in the ocean, it can live on land
   (f) Every students in class A did not pass the test
   Example: "For all students, they need to attend classes and do homework."
   The answer is:
   D is "students"
   P is "need to attend classes and do homework"
   Formal form: For all x in D, P(x)
   The answer can be obtain with the following code:
   print("D is 'students'")
   print("P is 'need to attend classes and do homework'")
   print("Formal form: For all x in D, P(x)")
2. Determine and print domain D, predicate P and Q of the following expression then write the statement in formal form.
   For example: with (a) D is "people", P is "is blond", Q is "is westerner". Formal statement: for all x in D, P(x) then Q(x). You can print them like in Exercise 1.
   (a) For all people, if they are blond then they are westerners.
   (b) For all students, if they study correctly then they have high score.
   (c) For every mammal, if they live in the sea, they are either dolphins or whales.
   (d) For every bird, if they don't have wings and can swim then they are penguins.
3. Print Negation, Contra-positive, Converse, Inverse of the following statements:

   (a) If we turn of the water in the shower, then the water will stop pouring.

   (b) If a triangle has three congruent sides, it is an equilateral triangle.

   (c) If you take yoga, then you are relaxed.

   (d) All kids like ice cream.

   (e) If you do your homework, then you can watch TV.

Statement	If p , then q .
Converse	If q , then p .
Inverse	If not p , then not q .
Contrapositive	If not q , then not p .