

Worksheet 3 Solution

March 11, 2020

Question 1

Part 1

- a) $Correct(my_prog) \wedge Python(my_prog)$
- b) $\exists x \in P, \neg Correct(x) \Rightarrow Python(x)$
- c) $\forall x \in P, \neg Python(x) \Rightarrow Correct(x)$
- d) $\forall x \in P, \neg Correct(x) \Rightarrow Correct(x)$
- e) A program is written in Python and is correct
- f) All programs are not written in Python and is correct
- g) It is not true that all programs written in python is correct
- h) All programs that are not written in python is correct, and all correctly running programs are not written in python

Question 2

- a) All program written in Python is correct, or all program written in Python is not correct

Question 3

Question 4

Question 5