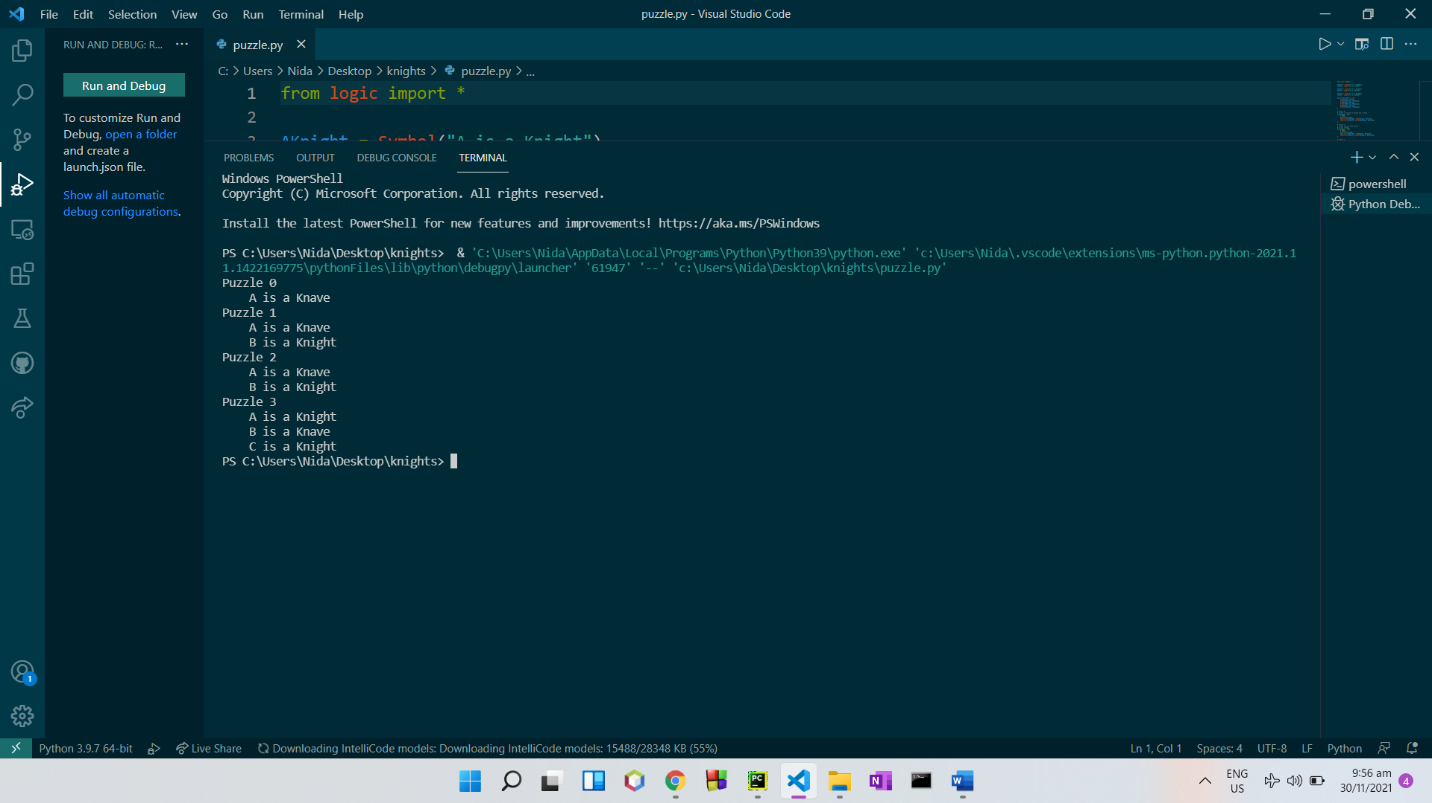
**Problem Set 3**



A Knight is a person who will always say the truth whereas a Knave is a person who always lie.

**Puzzle 0**

* If A is a knight, that means A is knight and knave as well

A is a Knave

**Puzzle 1**

* If A is Knight, It’s telling the truth then both A, B are Knaves
* If A is Knave, it’s lying and so B is Knight

A is a Knave

B is a Knight

**Puzzle 2**

* Either A is knight or knave; B would be knight
* Either B is knight or knave; A would be knave

A is a Knave

B is a Knight

**Puzzle 3**

* Either A is Knight or Knave, A would say “I am a Knight”; so B is lying
* If B is Knave, B lied with “C is a knave”; then c is knight
* if C is knight, C is telling the truth and so A is knight as well

A is a Knight

B is a Knave

C is a Knight