

# Computing Science 10

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## SECTION 6

### Input/Processing/Output (IPO) Charting

An IPO chart/table identifies a program's inputs, its outputs, and the processing steps required to transform the inputs into the outputs.

The components of the IPO model are defined as:

**I:** Input - *The information, ideas, and resources used in creating a program*

**P:** Processing - *Actions taken upon/using input or stored material*

**O:** Output - *Results of the processing that then exit the system*

**S:** Storage - *Location(s) where material inside the system is/are placed for possible use at a later point in time*

#### Student Income

Input	Process	Output
Hours worked Hourly wage	Total Wages = Hours worked * Hourly wage	Total Wages \$\$

Input	Process	Output
12 hours \$10.25/hr	$12 * 10.25 = 123.0$	\$123.00

## Assignment – IPO Charting

### **Calculate the number of hours that you are in school in 1 year**

Based off of 200 school days

1 week = 4 full days (6.5 hours) and 1 half day (3.5 hours)

Assume there are no weeks with long weekends, or two short days etc.

The 200 days includes just weekdays (Mon-Fri) no weekends.

Make 1 version with text IPO's (2 marks)

Make 1 version that uses numbers and finds the answer (2 marks)

Correctly solve the problem (1 mark)

Save the document using the naming convention: LastName\_FirstName\_Assignment5