

## GCSE Computer Science - Tips to Secure Higher Grades

- Create and use meaningful variable names (such as distance, fare, passengers)
- Use appropriate data type for the variables
- Make sure the programming code (Python) is syntax error free
- Once you have completed the code , check for any logical errors
- Common errors usually spotted around using the operators such as <,>, <=,>=, ==,! =
- If required use input function with prompt to collect values from the user such as input("Enter value for distance:")
- Use correct programming construct based on the question
  - Selection (If else)
  - iteration (For or While)
- Remember for used , if you know the number of iteration and while if you don't know the number of iteration
- Do provide the correct indentation suitably
- Use the colon in the correct places
- Remember = is used as an assignment operator and == used to validate a condition
- Read the question few more times
- Remember total and count calculation has to be done within the for / while loop, whereas the average calculation has to be done outside the loop. Indentation is the key here
- Remember the index start at 0 (List index)
- Remember Functions need parameters and return statement
- Remember MOD (% in Python) - Mod operator will return the remainder

- Remember INT (// in Python) Integer division will return whole number and ignore any decimals
- Be sure to understand the difference between AND or OR logical operator
- Spend reasonable time to revise one dimensional and two dimensional array (list in Python)
- Be sure to revise about file handling (Read, write and append files)