

Practice 03 – Variables

Task 01: Write a program, to declare an integer variable. Initialize it with a three-digit number. Display the three digits in separate lines using integer division and remainder operators.

Sample Run:

Number: 358

First Digit: 3 $358 / 100 = 3$

Second Digit: 5 $358 \% 100 = 58$, $58 / 10 = 5$

Third Digit: 8 $58 \% 10 = 8$

Task 02: Write a program, to declare integer variable to store marks of a student in Physics, Chemistry, Biology, English and Urdu. Initialize them with any two digit positive integer. Calculate:

Sum of all subjects

Overall Average Marks

Average in Science Subjects (Physics, Chemistry, Biology)

Average in Arts Subjects (English, Urdu)

Display output in following format:

Subject Wise Mark

Physics: --

Chemistry: --

Biology: --

English: --

Urdu: --

Total Marks: ---

Overall Average Marks: --.-----

Average in Science Subjects: --.-----

Average in Arts Subjects: --.-----

Dashes represents marks. Show average in floating points.

Task 03: Write a program to declare character variable, initialize it with capital 'A'. Print character and ASCII value. Next, add 1 to variable. Again, print character and ASCII value. Repeat the steps to print complete capital alphabets and their ASCII values.

Task 04: Store 5 and 3 in float variables. Divide them and store in int variable and print results. Reversely, store 5 and 3 in int variables. Divide them and store in float variable and print results.