APNA COLLEGE

VARIABLES & DATA TYPES QUESTIONS

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Question 1 : In a program, input 3 numbers : A, B and C. You have to output the average of these 3 numbers.
(Hint : Average of N numbers is sum of those numbers divided by N)

Question 2: In a program, input the side of a square. You have to output the area of the square.
(Hint : area of a square is (side x side))

Question 3: Enter cost of 3 items from the user (using float data type) - a pencil, a pen and an eraser. You have to output the total cost of the items back to the user as their bill.
(Add on : You can also try adding 18% gst tax to the items in the bill as an advanced problem)

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Question 4: What will be the type of result in the following Java code?

```
byte b = 4;
char c = 'a';
short s = 512;
int i = 1000;
float f = 3.14f;
double d = 99.9954;

result = (f * b) + (i % c) - (d * s);
```

(Hint : Look at the largest data type among these)

Question 5: **(Advanced)** Will the following statement give any error in Java?

int $ = 24;

Note - These questions are only to help you practice the concepts of this chapter. These are not designed to test your mathematical skills, just to understand logic building using Java.