The program below show how to declare a Constant and how to use the Keyboard class.

```
class Circle{
  public static void main (String[] args){
    final double PI=3.142;
    System.out.println("Enter radius:");
    double rad=Keyboard.readDouble();
    double area=PI*rad*rad;
    double per=2*PI*rad;
    System.out.println("Area of circle = "+area+" square cm");
    System.out.println("Perimeter of cirlce = "+per+" cm");
}
```

Create the following programs and send them for correction through MS Teams:

- 1. Write a program (Average) to ask the user to enter three numbers (double) and output their average.
- 2. Write a program (Cuboid) to ask the user to enter the length, width and height of a cube and output the volume of the cube.
- 3. Write a program (Calc) that asks the user to input 2 whole numbers. Then output the Addition, Subtraction, Multiplication and Division of the two numbers.
- 4. Write a program (Tax) that asks the user to input the price of a product. Program should output the VAT (18%) and total price of the product. Set VAT as constant equal to 0.18.
- 5. Write a program (Sphere) that outputs the volume of a sphere (V=4/ 3π r³). Ask user to enter radius. Set π as a constant equal to 3.142.

If you want to work out more exercises, please complete the following:

- 6. Write a program (Cylinder) to find out the total surface area of a cylinder (Area= $2\pi r^2+2\pi h$). Ask user for the relevant inputs. Set π as a constant equal to 3.142.
- 7. Write a program (Temp) that converts and outputs the temperature in Celsius to Fahrenheit. (F=C*9/5+32)
- 8. Write a program that works out the simple interest on a loan. Ask the user to enter principal amount of loan, the interest rate and the number of years covered by the loan. Program should then output the simple interest (Simple Interest = (Principal Amount*Rate*Years)/100).