Q1) Write a java program to display all Armstrong numbers between 1 to 1000

Q2) Write a java program to accept the monthly electricity comsumption and calculate total bill

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| **UNITS** | **Charges** |
| Below 100 | Rs 5.5 per unit |
| Between 101 to 200 | Rs 6.5 per unit |
| Between 201 and 300 | Rs 7.5 per unit |
| Above 300 | Rs 8.5 per unit |

An additional Rs 100 should be added as meter cost

Q3) Write a Java program to create a interface called Shape with a method called calsArea(), calcPerimeter(). Create a subclass called Circle & Rectangle that overrides the methods.

Q4) Write a Java program to create a class known as "BankAccount" with methods called deposit() and withdraw(). Create a subclass called SavingsAccount that overrides the withdraw() method to prevent withdrawals if the account balance falls below one hundred

Q5) Write a Java program to create a base class Sports with a method called play(). Create three subclasses: Football, Basketball, and Rugby. Override the play() method in each subclass to play a specific statement for each sport

Q6) Write a Java program to find numbers less than 7 in a HashSet