# Py4AIML
## Assignment 04

## Problem Statement 01

2520 is the smallest number that can be divided by each of the numbers from 1 to 10 without any remainder.

What is the smallest positive number that is evenly divisible by all of the numbers from 1 to 20?

## Problem Statement 02

Write a function to generate and return all the armstrong numbers below 10000

## Problem Statement 03

Write a function to compute the Kaprekar constant and display Kaprekar sequence for 4-digit numbers.

Note: Kaprekar constant, or 6174, is a constant that arises when we take a 4-digit integer, form the largest and smallest numbers from its digits, and then subtract these two numbers. Continuing with this process of forming and subtracting, we will always arrive at the number 6174.