Experiment 4: Loops

4.4. The population of a town is 100000. The population has increased steadily at the rate of 10% per year for the last 10 years. Write a program to determine the population at the end of each year in the last decade.

Ans-:

```
        #include <stdio.h>

int main() {
    printf("Name - Aryan kamboj\nSAP ID - 590025526\ncourse - BCA\nBatch - 6");
    printf("\n----------------------\n");

   float population = 100000;

   printf("Population Growth for the Last 10 Years:\n\n");

   for (int year = 1; year <= 10; year++) {
      population = population + (population * 0.10);   // increase by 10%
      printf("End of Year %d: Population = %.0f\n", year, population);
   }

   return 0;
}
```

Output :