## C PROGRAMMING ASSIGNMENT

By

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**Semester-I ST** 

**Department Name- CSE** 



## ModelInstituteofEngineering &Technology (Autonomous)

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```
#include <stdio.h>
int reverse(int num) {
  int rev = 0;
  while (num > 0) {
    rev = rev * 10 + num % 10;
    num = 10;
  return rev;
int isAdam(int num) {
  int square = num * num;
  int revSquare = reverse(square);
  int revNum = reverse(num);
  int revNumSquare = revNum * revNum;
  return square == revSquare && revNumSquare == reverse(revSquare);
int main() {
  printf("Three-digit Adam numbers are:\n");
  for (int i = 100; i \le 999; i++) {
    if (isAdam(i)) {
       printf("%d\n", i);
  return 0;
```

```
#include <stdio.h>
int main() {
  int arr[] = \{1, 2, 3, 4, 2, 7, 8, 8, 3\};
  int size = sizeof(arr) / sizeof(arr[0]);
  printf("Duplicate elements in the array are: ");
  for (int i = 0; i < size; i++) {
     for (int j = i + 1; j < size; j++) {
        if (arr[i] == arr[j]) {
          printf("%d ", arr[i]);
          break; // To avoid printing the same duplicate multiple times
  printf("\n");
  return 0;
```