```
Q. Write a program to print:
1
121
12321
1234321
123454321
Method: 1 (Using the square of 11)
#include<stdio.h>
int main(){
  int a = 1;
  for (int i = 0; i < 5; i++){
    printf("%d\n", a * a);
    a = a * 10 + 1;
  }
  return 0;
}
Method: 2 (Using nested for loop)
#include<stdio.h>
int main(){
  for (int i = 1; i <= 5; i++){
    for (int j = 1; j \le i; j++){
      printf("%d", j);
    }
for (int k = i - 1; k \ge 1; k = 1)
```

```
printf("%d", k);
printf("\n");
return 0;
}
Method: 3 (Using While loop)
#include<stdio.h>
int main(){
 int i = 1;
 while (i <= 5){
    int j = 1;
    while (j \le i){
      printf("%d", j);
      j++;
    }
    int k = i - 1;
    while (k \ge 1){
       printf("%d", k);
      k--;
    }
    printf("\n");
    i++;
  }
  return 0;
```

Method: 4 (Using Do While loop)

```
#include<stdio.h>
int main(){
  int i = 1;
  do{
    int j = 1;
    do{
       printf("%d", j);
      j++;
    } while (j <= i);
    int k = i - 1;
    do{
       printf("%d", k);
       k--;
    } while (k >= 1);
    printf("\n");
    i++;
  } while (i <= 5);
  return 0;
```

}