```
Q.1 Write a Program to print the below pattern using nested for loop.
21
321
4321
54321
Ans:
// Online C compiler to run C program online
#include <stdio.h>
int main() {
  int i,j;
  for(i=1;i<=5;i++){
    for (j=i;j>=1;j--){
      printf("%d",j);
    }
    printf("\n");
  return 0;
}
o/p:
1
21
321
4321
54321
=== Code Execution Successful ===
Q.2 Write a Program to print the below pattern using nested for loop.
5
45
3 4 5
2345
12345
Ans:
// Online C compiler to run C program online
#include <stdio.h>
```

```
int main() {
  int i,j;
  for(i=5;i>=1;i--){
    for (j=i;j<=5;j++){
      printf("%d",j);
    printf("\n");
  }
  return 0;
}
o/p:
5
45
345
2345
12345
=== Code Execution Successful ===
Q.3 Write a Program to print the below pattern using nested for loop.
5
44
333
2222
11111
Ans:
// Online C compiler to run C program online
#include <stdio.h>
int main() {
  int i,j;
  for(i=5;i>=1;i--){
    for(j=5;j>=i;j--){
      printf("%d",i);
    }
    printf("\n");
  }
  return 0;
}
```

```
o/p:
5
44
333
2222
11111
=== Code Execution Successful ===
Q.4 Write a Program to print the below pattern using nested for loop.
12345
2345
345
45
5
Ans:
// Online C compiler to run C program online
#include <stdio.h>
int main() {
  int i,j;
  for(i=1;i<=5;i++){
    for(j=i;j<=5;j++){
      printf("%d",j);
    }
    printf("\n");
 }
  return 0;
}
o/p:
12345
2345
345
45
5
```

```
Q.5 Write a Program to print the below pattern using nested for loop.
11111
2222
333
44
5
Ans:
// Online C compiler to run C program online
#include <stdio.h>
int main() {
  int i,j;
  for(i=1;i<=5;i++){
    for(j=5;j>=i;j--){
      printf("%d",i);
    }
    printf("\n");
  }
  return 0;
}
o/p:
11111
2222
333
44
5
=== Code Execution Successful ===
Q.6 Write a Program to print the below pattern using nested for loop.
10101
1010
101
10
1
```

```
Ans:
// Online C compiler to run C program online
#include <stdio.h>
int main() {
  int i,j;
  for(i=5;i>=1;i--){
    for(j=1;j<=i;j++){
      if(j\%2==1){
        printf("1");
      }
      else{
        printf("0");
      }
    printf("\n");
  return 0;
o/p;
10101
1010
101
10
1
=== Code Execution Successful ===
Q.7 Write a Program to print the below pattern using nested for loop.
Α
ВА
CBA
DCBA
EDCBA
Ans:
```

// Online C compiler to run C program online

```
#include <stdio.h>
int main() {
  for(int i=0;i<5;i++){
    char ch= 'A'+i;
    for(int j=0;j<=i;j++){
      printf("%c",ch-j);
    printf("\n");
  return 0;
o/p:
Α
BA
CBA
DCBA
EDCBA
=== Code Execution Successful ===
Q.8 Write a Program to print the below pattern using nested for loop.
1
2 3
4 5 6
7 8 9 10
11 12 13 14 15
Ans:
// Online C compiler to run C program online
#include <stdio.h>
int main() {
  int k =1;
  for(int i=1;i<=5;i++){
    for(int j=1;j<=i;j++){
      printf("%3d",k);
```

```
k++;
}
printf("\n");
}
return 0;
}

o/p:
1
2 3
4 5 6
7 8 9 10
11 12 13 14 15
```

=== Code Execution Successful ===