#### **Source Code**

```
Lab 7 > lap report > \mathbf{C} 1.c > \mathbf{\Theta} main()
       #include<stdio.h>
   1
   2
       int main(){
   3
   4
            int n;
            scanf("%d", &n);
   5
   6
   7
            for(int i=0;i<n;i++){</pre>
                 for(int j=0; j<n;j++){</pre>
   8
                      if(i==0 || i==(n-1) || j==0 || j==(n-1)) {
  9
                           printf("1 ");
 10
                      } else {
 11
                           printf("0 ");
 12
 13
 14
                 printf("\n");
 15
 16
 17
```

#### **Source Code**

```
Lab 7 > lap report > \mathbf{C} 2.c > \mathbf{\Theta} main()
       #include<stdio.h>
  1
   2
       int main(){
  3
  4
             int n;
             scanf("%d", &n);
  5
  6
             for(int i=1;i<=n;i++){</pre>
  7
                  for(int j=1; j<=i;j++){</pre>
  8
                      printf("%d", j);
  9
 10
 11
                 printf("\n");
 12
             for(int i=1;i<=n;i++){</pre>
 13
                 for(int j=1; j<=(n-i);j++){
 14
                      printf("%d", j);
 15
 16
                 printf("\n");
 17
 18
 19
```

```
• parvej@parvej:~/Documents/CSE
me/parvej/Documents/CSE ACADE
5

1
12
123
1234
12345
1234
123
12
1
```

#### **Source Code**

```
Lab 7 > lap report > \mathbf{C} 3.c > \mathbf{\diamondsuit} main()
       #include<stdio.h>
   2
   3
       int main(){
   4
            int n;
   5
            scanf("%d", &n);
            printf("\n");
   6
  7
            for(int i=n; i>=1;i--){
  8
                 for(int j=n; j>=1; j--){
  9
                      if(i>=j){
 10
                      printf("%d", i);
 11
                      } else {
 12
                           printf("%d", j);
 13
 14
 15
                 printf("\n");
 16
 17
 18
```

```
• parvej@parvej:~/Documents/C
me/parvej/Documents/CSE ACA
5

55555
54444
54333
54322
54321
```

#### **Source Code**

```
Lab 7 > lap report > C 4.c > ⊘ main()
       #include<stdio.h>
  1
  2
  3
       int main(){
  4
            int n;
            scanf("%d", &n);
  5
  6
            for(int i=0;i<n;i++){</pre>
  7
                for(int j=0; j<n;j++){</pre>
  8
                     if(i==(n/2) || j==(n/
  9
                         printf("0");
 10
                     } else {
 11
                         printf("1");
 12
 13
 14
                printf("\n");
 15
 16
 17
```

```
parvej@parvej:~/l
me/parvej/Documer
5
11011
11011
00000
11011
11011
```

#### **Source Code**

```
Lab 7 > lap report > C 5.c > 分 main()
      #include <stdio.h>
  2
      int main()
  3
  4
      {
           int n, sum = 0;
  5
           scanf("%d", &n);
  6
  7
           for (int i = 2; i <= n; i++)
  8
  9
               int isPrime = 1;
 10
               for (int j = 2; j * j <= i; j++)
 11
 12
                   if (i % j == 0)
 13
 14
                        isPrime = 0;
 15
 16
                        break;
 17
 18
               if (isPrime)
 19
 20
                   sum += i;
 21
 22
 23
 24
           printf("Sum: %d\n", n, sum);
 25
 26
           return 0;
 27
 28
```

```
parvej@parvej:~/L
eport/" && gcc 5.
5
Sum: 10
```