PAGE NO. :
DATE : / /

Q.3 WAP to generate the following set of Output.

a)
```
1
2 3
4 5 6
```

b)
```
1
1 1
1 2 1
1 3 3 1
1 4 6 4 1
```

a)
```
# include <stdio.h>
int main() {
int i, j, num = 1;

for (i = 1; i <= 3; i++) {
for (j = 1; j <= i; j++) {
printf ("%d ", num);
num ++;

}
Print f ("/n");
}
return 0;
}
```

Remarks:

Teacher's Signature

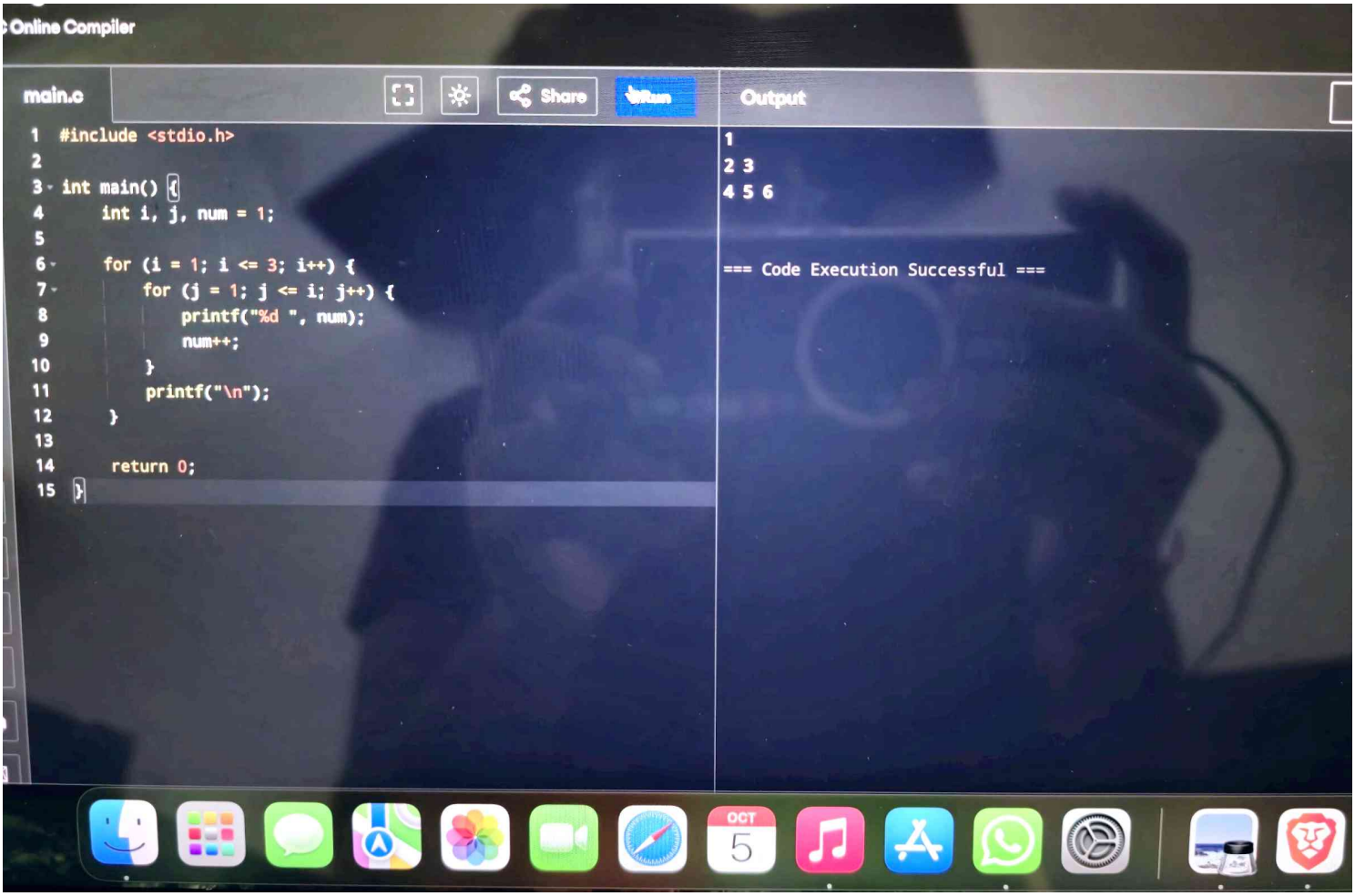
PAGE NO. :
DATE :

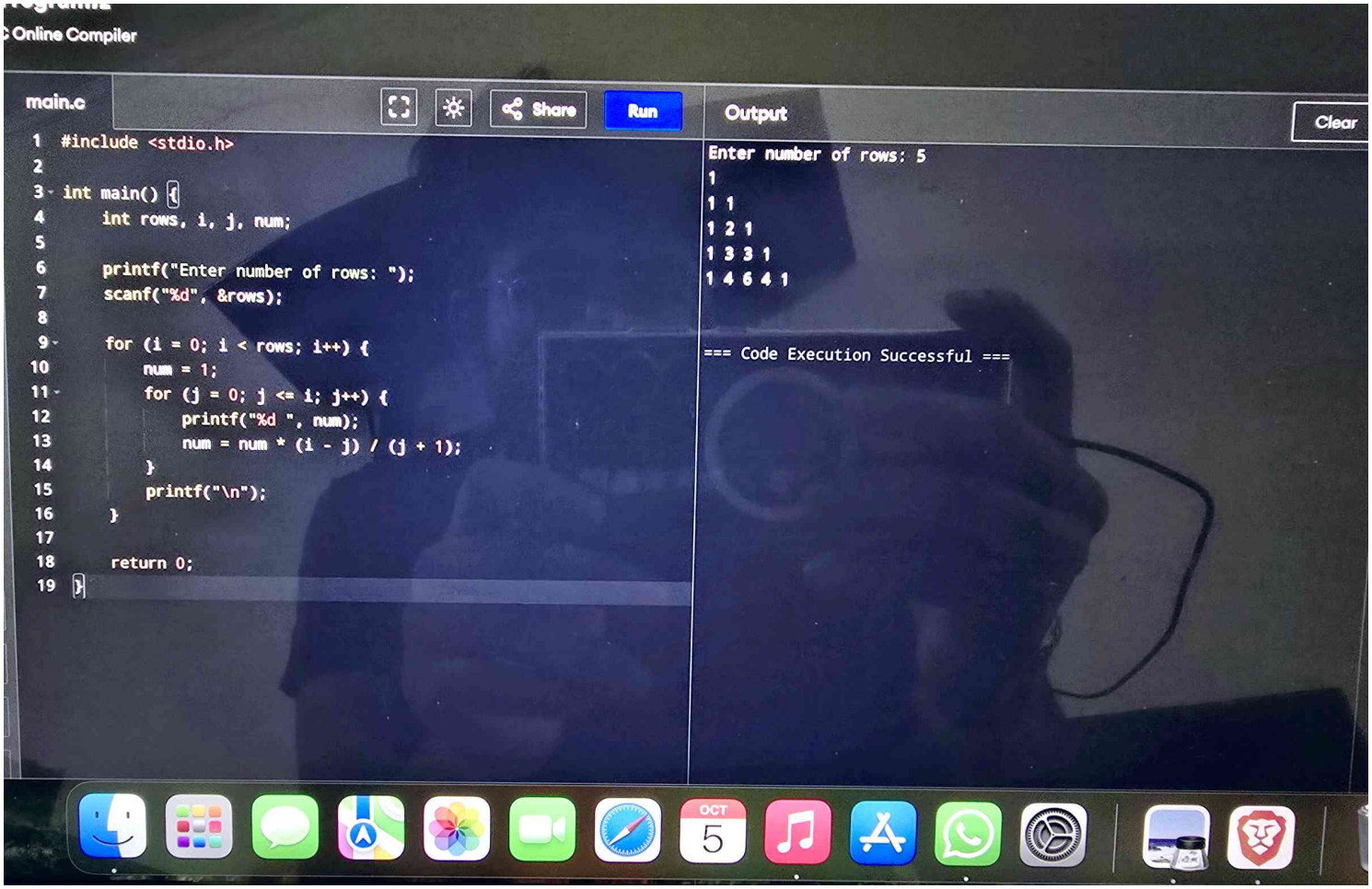
6)
```
#include <stdio.h>

int main() {
int rows, i, j, num;

Printf ("Enter number of rows; ");
 Scanf ("%d", &rows);

for (i=0; i<rows; i++) {
  num=1;
~~for (j=0; i<rows; i++) {~~
 for (j=0; j<=i; j++) {
 Printf("%d ", num);
 num = num * (i-j) / j+1);
   Printf ("\n");
}
  return 0;
}
```


Online Compiler
main.c
Share
Run
Output
#include <stdio.h>
int main() {
int i, j, num = 1;
for (i = 1; i <= 3; i++) {
for (j = 1; j <= i; j++) {
printf("%d ", num);
num++;
}
printf("\n");
}
return 0;
}
1
2 3
4 5 6
=== Code Execution Successful ===


Online Compiler
main.c
Share
Run
Output
Clear
#include <stdio.h>
int main() {
int rows, i, j, num;
printf("Enter number of rows: ");
scanf("%d", &rows);
for (i = 0; i < rows; i++) {
num = 1;
for (j = 0; j <= i; j++) {
printf("%d ", num);
num = num * (i - j) / (j + 1);
}
printf("\n");
}
return 0;
}
Enter number of rows: 5
1
1 1
1 2 1
1 3 3 1
1 4 6 4 1
=== Code Execution Successful ===