```
1. #include <stdio.h>
2 #include <stdib.h>
3
4 int main()
5 {
6 int i;
7 i = 1;
8 while (i <= 128) {
9 printf("%d ", i);
10 i *= 2;
11
12
13 return 0;
14 }
15

1 2 4 8 16 32 64 128

...Program finished with exit code 0
Press ENTER to exit console.
```

```
main.c

5 {
6
7    int i;
8    printf("Enter value: ");
9    scanf("%d", &i);
10
11    /*c. do-while loop - regardless if the condition is met (i<10),
12    the value of the user input will be printed at least once.*/
13    do {printf("\nValue of i is %d", i);
14    }while (i<10);
15
16    return 0;
17
18 }
19

Value of i is 10

...Program finished with exit code 0
Press ENTER to exit console.</pre>
```

```
4.
            #include <stdio.h>
            int main()
                int exponent;
                int n = 1;
                int power = 0;
                    f("Enter exponent value: "); //prints instructions
               scanf("%d", &exponent); //user input, indicating the nth term of the exponent
printf("\n TABLE OF POWERS OF TWO\n");
printf(" n 2 to the n\n");
               Y 2 3
                                                                    input
       Enter exponent value: 8
          TABLE OF POWERS OF TWO
                    2 to the n
                          16
                          64
                          128
                          256
        ..Program finished with exit code 0
      Press ENTER to exit console.
```