LAB 3 REPORT

Q1

```
: 1 10 2
3
                                                                               2, 4, 6, 8,
6
   #include <stdio.h>
8
   int main(){
9
10
       int low, high, x;
11
12
13
14
       printf(": ");
15
       scanf("%d %d %d", &low, &high, &x);
16
17
18
19
       for (int i = low; i < high; i++){
20
21
22
          if (i \% x == 0){
23
              printf("%d, ", i);
24
25
26
       return 0;
27
   }
```

Q2

```
Save
                                                                                Run
b #include <stdlo.n>
7 #include <stdlib.h>
                                                                                           Guess the number between 1 and 5:
8 #include <time.h>
                                                                                            Enter your guess: 1
9 int main(){
                                                                                           Incorrect guess. Try again!
                                                                                           Enter your guess: 2
                                                                                           Incorrect guess. Try again!
                                                                                           Enter your guess: 3
                                                                                           Incorrect guess. Try again!
       int userGuess; //variable to store user's guess
                                                                                           Enter your guess: 4
        int num_attempts = 0; //variable to store number of attempts
                                                                                           Incorrect guess. Try again!
        printf("Guess the number between 1 and 5:\n ");
                                                                                           Enter your guess: 5
                                                                                           Congratulations! You guessed the correct number in 5 attempts
        while (1){
20
            scanf("%d", &userGuess);
            num_attempts++;
28
                    , num_attempts);
29
30
34
```

```
: 1-555-HOLIDAY
                                                                                              1-555-??????
6 #include <stdio.h>
   #include <stdlib.h>
                                                                                              : 999-9999
                                                                                              999-9999
9 int main(){
10
                                                                                              : 9876zywx%$#@
11
        char phone_num[13];
                                                                                              9876????
12
13
14
        printf(": ");
15
        scanf("%s", &phone_num);
16
17
18
        for (int i = 0; i < 13; i++){
19
            if ((phone_num[i] >= '0' && phone_num[i] <= '9') || (phone_num[i] == '-')){</pre>
20
21
22
                phone_num[i] = phone_num[i];
23
24
            } else if (toupper(phone_num[i]) >= 'A' && toupper(phone_num[i]) <= 'Z'){</pre>
25
26
                phone_num[i] = '?';
27
28
            } else {
29
30
                phone_num[i] = '\0';
31
32
33
        printf("%s", phone_num);
34
35 }
```