

```
Script started on 2023-09-22 02:33:42+00:00 [TERM="xterm-256color" TTY="/dev/pts/0" COLUMNS="77" LINES="48"]
\[\033[01;34m\]\w\[\033[00m\]$ pwd
/home/runner/Lab-8-Basic-Dice-Roller-kcp3s
\[\033[01;34m\]\w\[\033[00m\]$ ls -la
total 2552
drwxr-xr-x 1 runner runner    218 Sep 22 02:33 .
drwxrwxrwx 1 runner runner    110 Sep 22 01:34 ..
-rwxr-xr-x 1 runner runner 16768 Sep 22 02:31 a.out
-rw-r--r-- 1 runner runner    17 Aug 18 20:59 .breakpoints
drwxr-xr-x 1 runner runner    12 Jan 24 2022 .cache
drwxr-x--- 1 runner runner   512 Sep 21 17:52 .cccls-cache
drwxr-xr-x 1 runner runner    68 Sep 22 01:29 .lesson
-rwxr-xr-x 1 runner runner 1272920 Sep 22 02:29 main
-rw-r--r-- 1 runner runner    741 Sep 22 02:29 main.cpp
-rwxr-xr-x 1 runner runner 1258728 Aug 18 20:58 main-debug
-rw-r--r-- 1 runner runner 29432 Apr 21 2022 main.o
-rw-r--r-- 1 runner runner   432 Aug 18 21:02 Makefile
-rw-r--r-- 1 runner runner     0 Sep 22 02:33 Patel_Lab_8.log
-rw-r--r-- 1 runner runner  1426 Dec 21 2022 .replit
-rw-r--r-- 1 runner runner   143 Sep 10 19:50 replit.nix
\[\033[01;34m\]\w\[\033[00m\]$ cat -n main.cpp
 1  #include <iostream>
 2  #include <cstdlib>
 3  #include <random>
 4  #include <iomanip>
 5
 6  void GetDice(int &x, int &y);
 7  void RollDice(int x, int y);
 8
 9  int main() {
10  srand(100);
11  int x, y;
12
13  std::cout << "++++ Super Awesome Dice Roller ++++\n";
14  GetDice(x,y);
15  }
16
17
18  void GetDice(int &x, int &y){
19  std::cout << "Enter amount and number of sides: ";
20  std::cin >> x >>y;
21  std::cout << "\n";
22  if (x < 0 || y < 0) {
23      std::cout << "Illegal value entered..." << std::endl;
24  }else {
25      RollDice(x,y);
26  }
27  }
28
29  void RollDice(int x, int y){
30  std::cout << "Rolling " << x << 'd' << y << "..." << "\n";
31  int totalnum{0};
32  for (int i = 0; i < x; i++){
33      int spin = rand () % y + 1;
34      totalnum += spin;
35      std::cout << spin << std::endl;
36  }
37  }
38  std::cout << "Total: " << totalnum << "\n";
39  }\[\033[01;34m\]\w\[\033[00m\]$ g++ main.cpp -o roll
\[\033[01;34m\]\w\[\033[00m\]$ ./roll
++++ Super Awesome Dice Roller ++++
Enter amount and number of sides: 0 6

Rolling 0d6...
Total: 0
\[\033[01;34m\]\w\[\033[00m\]$ ./roll
++++ Super Awesome Dice Roller ++++
Enter amount and number of sides: 10 20
```

Rolling 10d20...

1
2
20
5
17
4
6
11
2
12

Total: 80

\\033[01;34m\\w\\033[00m\\\$./roll

++++ Super Awesome Dice Roller ++++

Enter amount and number of sides: 4 10

Rolling 4d10...

1
2
10
5

Total: 18

\\033[01;34m\\w\\033[00m\\\$./roll

++++ Super Awesome Dice Roller ++++

Enter amount and number of sides: 3 4

Rolling 3d4...

1
2
4

Total: 7

\\033[01;34m\\w\\033[00m\\\$./roll

++++ Super Awesome Dice Roller ++++

Enter amount and number of sides: 8 6

Rolling 8d6...

3
6
6
3
5
2
2
5

Total: 32

\\033[01;34m\\w\\033[00m\\\$./roll

++++ Super Awesome Dice Roller ++++

Enter amount and number of sides: -1 4

Illegal value entered...

\\033[01;34m\\w\\033[00m\\\$./roll

++++ Super Awesome Dice Roller ++++

Enter amount and number of sides: 8 -2

Illegal value entered...

\\033[01;34m\\w\\033[00m\\\$ exit

Script done on 2023-09-22 02:37:03+00:00 [COMMAND_EXIT_CODE="0"]