

Write an interactive program to play games of craps and then print out the scores for the games played. Make sure that you use methods to implement subtasks and call these methods in your program.



The rules of the game are straightforward:

You roll two dice. Each die has six faces, which contain one, two, three, four, five and six spots, respectively. After the dice have come to rest, the sum of the spots on the two upward faces is calculated. If the sum is 7 or 11 on the first throw, you win. If the sum is 2, 3 or 12 on the first throw (called craps), you lose (i.e., the house wins). If the sum is 4, 5, 6, 8, 9 or 10 on the first throw, that sum becomes your point. To win, you must continue rolling the dice until you make your point (i.e., roll that same point value). You lose by rolling a 7 before making your point.

The sample outputs below show winning and losing on the first roll, and winning and losing on a subsequent roll. For the sake of clarity, the user input is shown in red.

```
Here is how you roll ... Good luck!
```

```
-----
```

```
You rolled 1 + 4 = 5
```

```
Your point is (5)
```

```
You rolled 2 + 3 = 5
```

```
You win!
```

```
-----
```

```
Another round (yes/no)?
```

```
YeS
```

```
Here is how you roll ... Good luck!
```

```
-----
```

```
You rolled 6 + 2 = 8
```

```
Your point is (8)
```

```
You rolled 5 + 5 = 10
```

```
You rolled 6 + 4 = 10
```

```
You rolled 3 + 2 = 5
```

```
You rolled 1 + 5 = 6
```

```
You rolled 3 + 4 = 7
```

```
The house wins!
```

```
-----
```

```
Another round (yes/no)?
```

```
yes
```

```

Here is how you roll ... Good luck!
-----
You rolled 5 + 6 = 11
You win!
-----
Another round (yes/no)?
yes

```

```

Here is how you roll ... Good luck!
-----
You rolled 5 + 6 = 11
You win!
-----
Another round (yes/no)?
Lets's roll again!
Bad answer "lets's"
Another round (yes/no)?
Bad answer "roll"
Another round (yes/no)?
Bad answer "again!"
Another round (yes/no)?
maybe
Bad answer "maybe"
Another round (yes/no)?
perhaps
Bad answer "perhaps"
Another round (yes/no)?
yEs

```

```

Here is how you roll ... Good luck!
-----
You rolled 1 + 2 = 3
The house wins!
-----
Another round (yes/no)?
n0
Scores
-----
You won 3 times
The house won 1 time

```

Code your main methods as follows:

```
public static void main(String[] args)
{
    play_craps();
    return;
}
```