

Learning Java by Projects

PROJECT 20: MULTIPLE SIDE DICE

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Objectives

WRITE RANDOM FUNCTION
TO COLLECT STATISTICS
DATA



ACTIVITY 1

Project Statement



Project Statement

- Build a function that accept number of sides for a die
- Then, return a random toss value
- Then, write another function which accept number of sides and number of tosses
- Then, report the percentage value from the expected value.
- Then, report, side=4, side=8, side=12, and number of toss for 10, 100, 1000, 10000



`int toss(int side)`

- Return a random value from 1 - side



```
double errorLevel(int side, int  
numOfToss)
```

```
Math.abs(average_toss_result – expected_value)/expected_value
```



Report Side 4, 8, and 12

- Perform each die over 10, 100, 1000, and 10000 samples