

```
1  from cs50 import get_int, get_string
2
3  def main():
4      # Prompt user for input about each hole they played.
5      holes = []
6      while True:
7          hole_number = get_int("Golf course hole number: ")
8          while True:
9              par = get_int("Hole par: ")
10             if par > 2 and par < 6:
11                 break
12             score = get_int("Your score: ")
13             holes.append({"hole number": hole_number,
14                           "par": par,
15                           "score": score})
16
17             print()
18
19             # Determine if user is done inputting hole information
20             while True:
21                 more = get_string("Would you like to input information for another golf hole? ").lower()
22                 if more in ["no", "n", "yes", "y"]:
23                     break
24             print()
25             if "n" in more:
26                 break
27
28             # Percentages
29             print_percentages(holes)
30
31  def print_percentages(holes):
32      """Prints the percentace of scores"""
33      scores = {
34          "birdies": 0,
35          "pars": 0,
36          "bogies": 0,
37          "double bogies": 0,
38          "triple bogies": 0
39      }
40
41      for row in holes:
42          offset = row["par"] - row["score"]
```

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43
44     if offset >= 1:
45         scores["birdies"] += 1
46     elif offset == 0:
47         scores["pars"] += 1
48     elif offset == -1:
49         scores["bogies"] += 1
50     elif offset == -2:
51         scores["double bogies"] += 1
52     else:
53         scores["triple bogies"] += 1
54
55     print("Percentages:")
56     score = scores["birdies"]
57     print(f"\tBirdy or better: {int(score / len(holes) * 100)}%")
58     score = scores["pars"]
59     print(f"\tPar: {int(score / len(holes) * 100)}%")
60     score = scores["bogies"]
61     print(f"\tBogey: {int(score / len(holes) * 100)}%")
62     score = scores["double bogies"]
63     print(f"\tDouble Bogey: {int(score / len(holes) * 100)}%")
64     score = scores["triple bogies"]
65     print(f"\tTriple Bogey or Higher: {int(score / len(holes) * 100)}%")
66
67     main()
```