kbc.py

```
import random

question_bank = [
  {
"question": "What is the result of 5 + 7?",
"options": ["12", "57", "35", "None of the above"],
"correct_answer": "12"
}
,
{
"question": "Which data type is used to store a single character in Python?",
"options": ["char", "character", "str", "single"],
"correct_answer": "str"
}
,
{
"question": "What is the output of print('Hello, ' + 'world!')?",
"options": ["Hello, world!", "Hello, + world!", "Hello, world!", "Hello, world! "],
"correct_answer": "Hello, world!"
}
,
{
"question": "How do you start a multiline comment in Python?",
"options": ["/*", "#", "//", "''''"],
"correct_answer": "''''"
}
,
{
"question": "What is the result of len('Python')?",
"options": ["6", "5", "7", "TypeError"],
"correct_answer": "6"
}
,
{
"question": "Which keyword is used to define a function in Python?",
"options": ["def", "function", "define", "fun"],
"correct_answer": "def"
}
,
{
"question": "What is the output of 2 ** 3?",
"options": ["8", "6", "9", "23"],
"correct_answer": "8"
}
,
{
"question": "What does the expression True and False evaluate to?",
"options": ["True", "False", "None", "Error"],
"correct_answer": "False"
}
,
{
```

```
"question": "Which built-in function is used to sort a list in Python?",
"options": ["sort()", "order()", "sorted()", "arrange()"],
"correct_answer": "sorted()"
}
,
{
"question": "What is the result of 10 / 2?",
"options": ["5.0", "5", "2.5", "2"],
"correct_answer": "5.0"
}
,
{
"question": "Which symbol is used for single-line comments in Python?",
"options": ["//", "#", "/*", "%%"],
"correct_answer": "#"
}
,
{
"question": "What does the pop() method do in Python?",
"options": ["Adds an element to a list", "Removes the last element from a list", "Deletes a var
"Performs a mathematical operation"],
"correct_answer": "Removes the last element from a list"
}
,
{
"question": "What is the output of print(len([1, 2, 3]))?",
"options": ["6", "3", "2", "TypeError"],
"correct_answer": "3"
}
,
{
"question": "Which operator is used to perform exponentiation in Python?",
"options": ["^", "", "*", "^^"],
"correct_answer": ""
}
,
{
"question": "What is the result of 3 != 5?",
"options": ["True", "False", "None", "Error"],
"correct_answer": "True"
}



]

def display_question(question_data):
    print(question_data["question"])
    for i in range(len(question_data["options"])):
        option = question_data["options"][i]
        print(f"{i + 1}. {option}")

level_winnings =
[1000,2000,3000,4000,5000,10000,20000,40000,80000,160000,320000,640000,1250000,2500000,500000,1
def game():
    print("Welcome to Kaun Banega Crorepati!")
    total_winnings = level = 0
```

```
108
109     # Shuffle the question bank to present questions in random order
110     random.shuffle(question_bank)
111
112     for question_data in question_bank:
113         display_question(question_data)
114
115         # Get user's answer choice
116         user_choice = int(input("Enter your choice (1-4): "))
117
118         # Validate user input
119         if user_choice < 1 or user_choice > 4:
120             print("Invalid choice. Please enter a valid choice.")
121             continue
122
123         selected_option = question_data["options"][user_choice - 1]
124
125         if selected_option == question_data["correct_answer"]:
126             total_winnings = level_winnings[level]
127             print("Correct answer! You won", total_winnings, "points.\n")
128             level += 1
129         else:
130             print("Sorry, that's incorrect. The correct answer was:", question_data["correct_an
    "\n")
131             break
132
133     print("Congratulations! You won a total of", total_winnings, "points.")
134     print("Thank you for playing!")
135
136 if __name__ == "__main__":
137     game()
```