

Question(1)

FIZZ-BUZZ Game

Answer:

```
def fizz_buzz_game():
    max_number = 30
    max_mistakes = 3
    print('Welcome to Fizz Buzz!')
    print('This is how the game will be played by the players: they will count from 1
    up to' + str( max_number ) + ''
    mistakes = 0
    for number in range(1, max_number + 1):
        if number % 3 == 0 and number % 5 == 0:
            expected_output = "Fizz Buzz"
        elif number % 3 == 0:
            expected_output = "Fizz"
        elif number % 5 == 0:
            expected_output = "Buzz"
        else:
            expected_output = str(number)
        player_input = input(f'Say the number for {number}: ')
        if not type(player_input) is str:
            print("Sorry, that's not correct! Please use words.")
            continue
```

```
if player_input.strip().lower() == expected_output.lower():  
    print("Correct")
```

Question(2)

Finding Average Budget of Films

Answer:

```
movies = [  
    ("Eternal Sunshine of the Spotless Mind", 20000000),  
    ("Memento", 9000000),  
    ("Requiem for a Dream", 4500000),  
    ("Pirates of the Caribbean: On Stranger Tides", 379000000),  
    ("Avengers: Age of Ultron", 365000000),  
    ("Avengers: Endgame", 356000000),  
    ("Incredibles 2", 200000000)  
]  
  
additional_movies= int(input("enter the number of additional  
movies:"))  
  
for i in range(additional_movies):  
    name = input("enter the movie name:")  
    budget = int(input("enter the movie budget:"))  
    movies.append((name,budget))  
  
total_budget = sum(budget for _, budget in movies)
```

```
average_budget = total_budget/ len(movies)
print("total budget:",total_budget)
print("average budget:",average_budget)
high_budget_movies= []
for name, budget in movies:
    if budget > average_budget:
        deffirence = budget - average_budget
        high_budget_movies.append((name, deffirence))
        print(f'{name} has budget that is {deffirence} above the average
budget')
print("high_budget_movies:",high_budget_movies)
```