**NAME**

**JAHNZAIB ZAFAR**

**SECTION**

**BS ARTFICIAL INTELLIGENCE– 3B**

**TASK (2)**

**PART NUMBER 2**

**TOPIC**

**Movies Budget Calculation**

**OUTPUT**

**enter more movies if you want to add=1**

**enter 1movie name =honour**

**enter 1 movie budget =1200000**

**updated movies= [('saiyara', 20000000), ('three-ediot', 9000000), ('home', 4500000), ('college life', 379000000), ('roxstar', 365000000), ('ishq', 356000000), ('Incredibles 2', 200000000), ('honour', 1200000)]**

**All values [20000000, 9000000, 4500000, 379000000, 365000000, 356000000, 200000000, 1200000]**

**total budget= 1334700000**

**Total Average=**

**average= 166837500.0**

**movies budget higher then average ,and how much higher=**

**('college life', 379000000)**

**college life movie ka budget 212162500.0 zyada hai average se**

**('roxstar', 365000000)**

**roxstar movie ka budget 198162500.0 zyada hai average se**

**('ishq', 356000000)**

**ishq movie ka budget 189162500.0 zyada hai average se**

**('Incredibles 2', 200000000)**

**Incredibles 2 movie ka budget 33162500.0 zyada hai average se**

**Total movies whose spent budget more then the average =**

**total movies= 4**

**EXPLANATION**

**THIS IS A MOVIES BUDGET CALCULATION PROGRAME**

* In which I have **take the given list** ,then ask the user if he want to add more movies with budget
* In which I have take **for loop** ,append the movie name and budget in the given list
* In which I have separate its value in another list and then **total**
* In which I have take the **average** of all budget in the list by **sum(list)/len(list).**
* In which I have take the movies whose **budget is greater then** **from average** and **how much is greater** by using for loop.
* In which I have take the diff and append in the new list and for **see how much movies is greater budget from average** .