**Task 1**

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**Summary:**

Heat transfer takes place in different type of substances like gas, liquid and solids. For our case of study the WALL is affected by several factors such as type of material, Thickness of the wall, the amount of temperature difference between 2 sides of the wall and obviously the area of it.

As a summery, the thicker the wall, the less heat goes through it. And for the the type of material, plastic and wood have low heat transfer. Moreover, there is a high difference in temperature in summer (January) and winter which called the load of building which is WORST CASE SENARIO, that helps estimating the suitable Air conditioner for the building.

Num1)



Num2)

