**Test Cases:**

Test Case 1.a:

Input:

{

"test\_string" : "Bosch Series 4 WAN28122 7kg 1400rpm",

     "modelName" : "DecisionTree"

}

Output:"WASHINGMACHINES"

Expected Output:"WASHINGMACHINES"

Result: Pass

Test Case 1.b:

Input:

{

"test\_string" : "Bosch Series 4 WAN28122 7kg 1400rpm",

     "modelName" : "SVC"

}

Output:"WASHINGMACHINES"

Expected Output:"WASHINGMACHINES"

Result: Pass

Test Case 1.c:

Input:

{

"test\_string" : "Bosch Series 4 WAN28122 7kg 1400rpm",

     "modelName" : "KNN"

}

Output:"WASHINGMACHINES"

Expected Output:"WASHINGMACHINES"

Result: Pass

Test Case 1.d:

Input:

{

"test\_string" : "Bosch Series 4 WAN28122 7kg 1400rpm",

     "modelName" : "RandomForest"

}

Output:"WASHINGMACHINES"

Expected Output:"WASHINGMACHINES"

Result: Pass

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Test Case 2.a:

Input:

{

"test\_string" : "Serious Rockville 27.5 white",

     "modelName" : "DecisionTree"

}

Output:"WASHINGMACHINES"

Expected Output:"BICYCLES"

Result: Fail

Test Case 2.b:

Input:

{

"test\_string" : "Serious Rockville 27.5 white",

     "modelName" : "SVC"

}

Output:"BICYCLES"

Expected Output:"BICYCLES"

Result: Pass

Test Case 2.c:

Input:

{

"test\_string" : "Serious Rockville 27.5 white",

     "modelName" : "KNN"

}

Output:"BICYCLES"

Expected Output:"BICYCLES"

Result: Pass

Test Case 2.d:

Input:

{

"test\_string" : "Serious Rockville 27.5 white",

     "modelName" : "RandomForest"

}

Output:"BICYCLES"

Expected Output:"BICYCLES"

Result: Pass

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Test Case 3.a:

Input:

{

"test\_string" : "2TB USB 3.0 Flash Drive Memory Stick",

     "modelName" : "DecisionTree"

}

Output:"USB MEMORY"

Expected Output:"USB MEMORY"

Result: Pass

Test Case 3.b:

Input:

{

"test\_string" : "2TB USB 3.0 Flash Drive Memory Stick",

     "modelName" : "SVC"

}

Output:"USB MEMORY"

Expected Output:"USB MEMORY"

Result: Pass

Test Case 3.c:

Input:

{

"test\_string" : "2TB USB 3.0 Flash Drive Memory Stick",

     "modelName" : "KNN"

}

Output:"USB MEMORY"

Expected Output:"USB MEMORY"

Result: Pass

Test Case 3.d:

Input:

{

"test\_string" : "2TB USB 3.0 Flash Drive Memory Stick",

     "modelName" : "RandomForest"

}

Output:"USB MEMORY"

Expected Output:"USB MEMORY"

Result: Pass

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Test Case 4.a:

Input:

{

"test\_string" : "ACUVUE OASYS 1-Day daily contact lenses with -3 dpt and BC 8.5 - UV protection and high wearing comfort - 30 lenses",

     "modelName" : "DecisionTree"

}

Output:"CONTACT LENSES"

Expected Output:"CONTACT LENSES"

Result: Pass

Test Case 4.b:

Input:

{

"test\_string" : "ACUVUE OASYS 1-Day daily contact lenses with -3 dpt and BC 8.5 - UV protection and high wearing comfort - 30 lenses",

     "modelName" : "SVC"

}

Output:"CONTACT LENSES"

Expected Output:"CONTACT LENSES"

Result: Pass

Test Case 4.c:

Input:

{

"test\_string" : "ACUVUE OASYS 1-Day daily contact lenses with -3 dpt and BC 8.5 - UV protection and high wearing comfort - 30 lenses",

     "modelName" : "KNN"

}

Output:"CONTACT LENSES"

Expected Output:"CONTACT LENSES"

Result: Pass

Test Case 4.d:

Input:

{

"test\_string" : "ACUVUE OASYS 1-Day daily contact lenses with -3 dpt and BC 8.5 - UV protection and high wearing comfort - 30 lenses",

     "modelName" : "RandomForest"

}

Output:"CONTACT LENSES"

Expected Output:"CONTACT LENSES"

Result: Pass