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Put on a Coat

Step 1 - Identify the problem

      a. The initial request was to "put on a coat" after further review I've assessed that the question being asked is "Which coat will provide the maximum amount of comfortability and warmth I need to wear the coat for."

Step 2 - What do I need to know
      a. Beginning point: Where are you going and why do you need a coat?
      b. We are collecting data because I need to go to school Monday morning and the forecast is projecting it will be 20 degrees F.

Step 3 - Identify things I need to find
      a. Temperature
      b. Event
      c. Departure time
      d. Condition of coat (no rips, tears, markings)
      e. Material/Special features

Step 4 - Organize the data
      a. I have evaluated the problem as "Which coat will provide the maximum amount of comfortability and warmth I need to wear the coat for." In order to solve this problem the necessary data points that need evaluation are the temperature, event, time you're leaving and the coat's physical appearance.

Step 5 - Identify Relationships
      a. Temperature is directly related to if you need a coat or not. The type of event will determine if you need a peacoat, trenchcoat, or thin coat. What time you leave will also play a significant part in what coat you choose. In addition, the coat must not be damaged or torn if it is worn because then it is ineffective. Lastly, knowing if a coat has any additional pockets, fur, or special brand name could provide better insight.

Step 6 - Find a solution
      a. Work backwards - You want a coat with fur and extra pockets to provide warmth and extra storage. You need warmth because you are leaving home at 5:00am to catch the school bus. Leaving home that early means the temperature will be

between 20-30 degrees. Since it's below freezing outside, you decide to put a fur coat on with extra pockets, big enough for hands.

Step 7 - Presentation

The question we were initially asked was to "Put on a coat". After review, I decided the actual question being asked was "Which coat will provide the maximum amount of comfortability and warmth I need to wear the coat for."

To make sure we are appropriately dressed, the data presented several factors we must account for when putting on a coat. First you must be aware of the event you plan to go to and when you are going. For this scenario, we are going to school and the school bus arrives at 5:00am. Next, you can determine the temperature using the weather apps' predictive analysis. The weather app predicted that at 5:00am it will be between 20-30 degrees F. Next, we search our closet to find an appropriate coat for the event and temperature. We have several coats, some have fur, some have extra pockets and some are incredibly thin. With the metrics included, a coat with fur and extra pockets would be most appropriate for our journey. We have picked a coat with fur and extra pockets, lastly, we put the coat on and head for school.