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CSMC 203

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Pseudocode

Declare an string variable called name

Declare an string variable called toyName

Declare an string variable called ifAnother

Declare an int variable called age

Declare an double variable called totalCost

Construct a new “Toy” object called toy1

Construct a new “Random” object called rand

Display welcome message

Do

Declare an string variable called ifCancel initialize to “Yes”

While (ifCancel equal to “Yes”)

Ask user input name of child

Store in name

Ask user input age of child

Store in age

Call setToy(toyName)

Call setCost(toyName)

If (ageOK() is not true)

Ask user if he want to cancel toy request

Else

ifCancel = “No”

End if

End while

Call addCard and Ask user if he want card

Call addBalloon and Ask user if he want balloon

Calculate totalCost equal to totalCost + getCost()

Display the name, age and the total for gift

Ask user if he want another gift

While (ifAnother is equal to “Yes”)

Display the totalCost and a five-digit order number

Display programmer name

Test Plan

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Test Case #** | **Input** | **Actual Input** | **Expected Output** | **Actual Output**  **­** | **Did the test pass?** |
| 1 | Name: boy  Age: 2  Toy: plushie  Add Card: NO  Add balloon: NO  Another toy: No | Name: boy  Age: 2  Toy: plushie  Add Card: NO  Add balloon: NO  Another toy: No | The gift for boy 2 years old is plushie $25.00  The total cost of your oeder is $25.00 Order number is (5 digit random number) | The gift for boy 2 years old is plushie $25.00  The total cost of your oeder is $25.00 Order number is 72068 | Yes |
| 2 | Name: gril  Age: 10  Toy: book  Cancel request: Yes  Name: gril2  Age: 7  Toy: book  Add Card: Yes  Add balloon: Yes  Another toy: No | Name: gril  Age: 10  Toy: book  Cancel request: Yes  Name: gril2  Age: 7  Toy: book  Add Card: Yes  Add balloon: Yes  Another toy: No | The gift for gril2 7 years old is book $23.95  The total cost of your oeder is $23.95 Order number is (5 digit random number) | The gift for gril2 7 years old is book $23.95  The total cost of your oeder is $23.95 Order number is 75245 | Yes |
| 3 | Name: H Huang  Age: 20  Toy: book  Cancel request: No  Add card: No  Add balloon: No  Another toy: Yes  Name: Jay  Age: 2  Toy: plushie  Add card: Yes  Add balloon: Yes  Another toy: No | Name: H Huang  Age: 20  Toy: book  Cancel request: No  Add card: No  Add balloon: No  Another toy: Yes  Name: Jay  Age: 2  Toy: plushie  Add card: Yes  Add balloon: Yes  Another toy: No | The gift for H Huang 20 years old is book $15.00  The gift for Jay 2 years old is plushie $33.95  The total cost of your oeder is $48.95 Order number is (5 digit random number) | The gift for H Huang 20 years old is book $15.00  The gift for Jay 2 years old is plushie $33.95  The total cost of your oeder is $48.95 Order number is 66900 | Yes |