

Progress 4

Goal:

- ☒ Apply basic filtering
- ☒ Ask user for product preferences
- ☒ Output a sample of products that aligned with given criteria

Progress Made:

- Reading functions into new files was confusing at first with naming conventions. Was able to run CleanData function in another file which made this step easier to apply filters

Test Case:

User inputs value for product type, budget, and skin concern and a list of products is printed that match the given criteria.

Inputs			Output																																																
Product	Budget	Benefits	Snippet as all columns were given																																																
Cleanser	50	Brightening	<table><tr><th>Brand</th><th>ProductName</th><th>Price</th><th>Subcategory</th><th>Weight_g</th><th>Weight_ml</th><th>ReviewCount</th><th>Rating</th></tr><tr><td>"Tower 28"</td><td>"50S Daily Balancing Gel Cleanser 150ml"</td><td>33</td><td>"Cleanser & Toner"</td><td>{ 'N/A' }</td><td>150</td><td>284</td><td>4.7</td></tr><tr><td>"Psychology"</td><td>"Skin Remedy Calm & Protect Mist 80ml 80ml"</td><td>25</td><td>"Cleanser & Toner"</td><td>{ 'N/A' }</td><td>160</td><td>NaN</td><td>0</td></tr><tr><td>"MECCA COSMETICA"</td><td>"Nourishing Cleansing Oil 150ml"</td><td>46</td><td>"Cleanser & Toner"</td><td>{ 'N/A' }</td><td>150</td><td>546</td><td>4.6</td></tr><tr><td>"Glow Recipe"</td><td>"Watermelon Glow Ultra Fine Mist 75ml"</td><td>48</td><td>"Cleanser & Toner"</td><td>{ 'N/A' }</td><td>75</td><td>1231</td><td>4.7</td></tr><tr><td>"MECCA COSMETICA"</td><td>"Renewing Cleansing Gel 150ml"</td><td>46</td><td>"Cleanser & Toner"</td><td>{ 'N/A' }</td><td>150</td><td>145</td><td>4.6</td></tr></table>	Brand	ProductName	Price	Subcategory	Weight_g	Weight_ml	ReviewCount	Rating	"Tower 28"	"50S Daily Balancing Gel Cleanser 150ml"	33	"Cleanser & Toner"	{ 'N/A' }	150	284	4.7	"Psychology"	"Skin Remedy Calm & Protect Mist 80ml 80ml"	25	"Cleanser & Toner"	{ 'N/A' }	160	NaN	0	"MECCA COSMETICA"	"Nourishing Cleansing Oil 150ml"	46	"Cleanser & Toner"	{ 'N/A' }	150	546	4.6	"Glow Recipe"	"Watermelon Glow Ultra Fine Mist 75ml"	48	"Cleanser & Toner"	{ 'N/A' }	75	1231	4.7	"MECCA COSMETICA"	"Renewing Cleansing Gel 150ml"	46	"Cleanser & Toner"	{ 'N/A' }	150	145	4.6
Brand	ProductName	Price	Subcategory	Weight_g	Weight_ml	ReviewCount	Rating																																												
"Tower 28"	"50S Daily Balancing Gel Cleanser 150ml"	33	"Cleanser & Toner"	{ 'N/A' }	150	284	4.7																																												
"Psychology"	"Skin Remedy Calm & Protect Mist 80ml 80ml"	25	"Cleanser & Toner"	{ 'N/A' }	160	NaN	0																																												
"MECCA COSMETICA"	"Nourishing Cleansing Oil 150ml"	46	"Cleanser & Toner"	{ 'N/A' }	150	546	4.6																																												
"Glow Recipe"	"Watermelon Glow Ultra Fine Mist 75ml"	48	"Cleanser & Toner"	{ 'N/A' }	75	1231	4.7																																												
"MECCA COSMETICA"	"Renewing Cleansing Gel 150ml"	46	"Cleanser & Toner"	{ 'N/A' }	150	145	4.6																																												
Moisturiser	100	Firming	<table><tr><th>Brand</th><th>ProductName</th><th>Price</th><th>Subcategory</th><th>Weight_g</th><th>Weight_ml</th><th>ReviewCount</th><th>Rating</th></tr><tr><td>"Youth To The People"</td><td>"Superfood Air-Whip Moisture Cream 59ml"</td><td>88</td><td>"Moisturisers"</td><td>{ 'N/A' }</td><td>59</td><td>NaN</td><td>0</td></tr><tr><td>"Youth To The People"</td><td>"Superfood Air-Whip Moisture Cream 59ml"</td><td>88</td><td>"Moisturisers"</td><td>{ 'N/A' }</td><td>59</td><td>NaN</td><td>0</td></tr><tr><td>"Youth To The People"</td><td>"Superfood Air-Whip Moisture Cream 59ml"</td><td>88</td><td>"Moisturisers"</td><td>{ 'N/A' }</td><td>59</td><td>NaN</td><td>0</td></tr><tr><td>"Sunday Riley"</td><td>"C.E.O Vitamin C Brighten + Tighten Body Butter 280ml"</td><td>98</td><td>"Moisturiser"</td><td>{ 'N/A' }</td><td>200</td><td>NaN</td><td>0</td></tr><tr><td>"Drunk Elephant"</td><td>"Bora Barrier Repair Cream 50ml Refill"</td><td>100</td><td>"Moisturisers"</td><td>{ 'N/A' }</td><td>50</td><td>1</td><td>5</td></tr></table>	Brand	ProductName	Price	Subcategory	Weight_g	Weight_ml	ReviewCount	Rating	"Youth To The People"	"Superfood Air-Whip Moisture Cream 59ml"	88	"Moisturisers"	{ 'N/A' }	59	NaN	0	"Youth To The People"	"Superfood Air-Whip Moisture Cream 59ml"	88	"Moisturisers"	{ 'N/A' }	59	NaN	0	"Youth To The People"	"Superfood Air-Whip Moisture Cream 59ml"	88	"Moisturisers"	{ 'N/A' }	59	NaN	0	"Sunday Riley"	"C.E.O Vitamin C Brighten + Tighten Body Butter 280ml"	98	"Moisturiser"	{ 'N/A' }	200	NaN	0	"Drunk Elephant"	"Bora Barrier Repair Cream 50ml Refill"	100	"Moisturisers"	{ 'N/A' }	50	1	5
Brand	ProductName	Price	Subcategory	Weight_g	Weight_ml	ReviewCount	Rating																																												
"Youth To The People"	"Superfood Air-Whip Moisture Cream 59ml"	88	"Moisturisers"	{ 'N/A' }	59	NaN	0																																												
"Youth To The People"	"Superfood Air-Whip Moisture Cream 59ml"	88	"Moisturisers"	{ 'N/A' }	59	NaN	0																																												
"Youth To The People"	"Superfood Air-Whip Moisture Cream 59ml"	88	"Moisturisers"	{ 'N/A' }	59	NaN	0																																												
"Sunday Riley"	"C.E.O Vitamin C Brighten + Tighten Body Butter 280ml"	98	"Moisturiser"	{ 'N/A' }	200	NaN	0																																												
"Drunk Elephant"	"Bora Barrier Repair Cream 50ml Refill"	100	"Moisturisers"	{ 'N/A' }	50	1	5																																												
Lip Care	30	Hydrating	<table><tr><th>Brand</th><th>ProductName</th><th>Price</th><th>Subcategory</th><th>Weight_g</th><th>Weight_ml</th><th>ReviewCount</th><th>Rating</th></tr><tr><td>"Glossier"</td><td>"Balm Dotcom Lip Balm and Skin Salve"</td><td>26</td><td>"Lip Care"</td><td>{ 'N/A' }</td><td>NaN</td><td>113</td><td>3.9</td></tr><tr><td>"Lanolips"</td><td>"Hyaluronic Lip Oil Raspberry 6ml"</td><td>18.95</td><td>"Lip Care"</td><td>{ 'N/A' }</td><td>6</td><td>3</td><td>3.3</td></tr><tr><td>"Lanolips"</td><td>"Hyaluronic Lip Oil Honey 6ml"</td><td>18.95</td><td>"Lip Care"</td><td>{ 'N/A' }</td><td>6</td><td>4</td><td>3.8</td></tr><tr><td>"Lanolips"</td><td>"Sun Balm SPF 30 Tropical 12.5g"</td><td>14.95</td><td>"Lip Care"</td><td>{ 'S' }</td><td>NaN</td><td>NaN</td><td>0</td></tr><tr><td>"Lanolips"</td><td>"Tinted Balm SPF 30"</td><td>14.95</td><td>"Lip Care"</td><td>{ 'N/A' }</td><td>NaN</td><td>275</td><td>4.4</td></tr></table>	Brand	ProductName	Price	Subcategory	Weight_g	Weight_ml	ReviewCount	Rating	"Glossier"	"Balm Dotcom Lip Balm and Skin Salve"	26	"Lip Care"	{ 'N/A' }	NaN	113	3.9	"Lanolips"	"Hyaluronic Lip Oil Raspberry 6ml"	18.95	"Lip Care"	{ 'N/A' }	6	3	3.3	"Lanolips"	"Hyaluronic Lip Oil Honey 6ml"	18.95	"Lip Care"	{ 'N/A' }	6	4	3.8	"Lanolips"	"Sun Balm SPF 30 Tropical 12.5g"	14.95	"Lip Care"	{ 'S' }	NaN	NaN	0	"Lanolips"	"Tinted Balm SPF 30"	14.95	"Lip Care"	{ 'N/A' }	NaN	275	4.4
Brand	ProductName	Price	Subcategory	Weight_g	Weight_ml	ReviewCount	Rating																																												
"Glossier"	"Balm Dotcom Lip Balm and Skin Salve"	26	"Lip Care"	{ 'N/A' }	NaN	113	3.9																																												
"Lanolips"	"Hyaluronic Lip Oil Raspberry 6ml"	18.95	"Lip Care"	{ 'N/A' }	6	3	3.3																																												
"Lanolips"	"Hyaluronic Lip Oil Honey 6ml"	18.95	"Lip Care"	{ 'N/A' }	6	4	3.8																																												
"Lanolips"	"Sun Balm SPF 30 Tropical 12.5g"	14.95	"Lip Care"	{ 'S' }	NaN	NaN	0																																												
"Lanolips"	"Tinted Balm SPF 30"	14.95	"Lip Care"	{ 'N/A' }	NaN	275	4.4																																												

Reflection:

- Currently, the inputs given have to be correctly capitalised and the user does not know what the options are.
- Also, budget has to be given as an integer when realistically the user would have a range.
- Similarly to the product type input, skin concerns must be inputted perfectly and the user does not know the options, PLUS a user could have more than one skincare concern.
- Error is given when not enough products to display.
- No option to not select a benefit.
- When the program is built into a GUI function allow user to select from a list of options would make much more sense than asking the user to input values perfectly.