* Algorithm:

Step 1: Start

Step 2: Declare void functions bfast(), lunch(), dinner(), m\_m(), exit().

Step 3: Declare integer variables num, again, floating variables price, total and character variable choice.

Step 4: Declare character variable choice in m\_m() function

Step 5: If choice==A

print breakfast menu

else if choice==B

print lunch menu

else if choice==C

print dinner menu

else if choice!=A, B, C, D

go back to menu

Step 6: Declare variables choice, quantity, again in bfast() function

Step 7: Initialize variables

choice <- 0

quantity <- 0

again <- 0

Step 8: If choice==1

print enter quantity, total, would you like to buy anything else 1.Yes or 2.No

Step 9: If again==1

go back to bfast() function

else if again==2

go back to m\_m() function

else if again!== 1, 2

print sorry invalid decision entered

Step 10: Else if choice==2

repeat step 9 again

Step 11: Else if choice==3

repeat step 9 again

Step 12: Declare variables choice, quantity, again in lunch() function

Step 13: Repeat step 7 to 11 again

Step 14: Declare variables choice, quantity, again in dinner() function

Step 15: Repeat step 7 to 11 again

Step 16: Stop