



Module 11 Algorithms and programming

Algorithms and programming project example

Algorithm

Steps

- 1 Select one of three serving options (plain cone, waffle cone, cup).
- 2 Choose number of scoops.
- 3 Calculate price based on serving option and number of scoops.
- 4 For each scoop, choose one of eight flavours.
- 5 Send order to staff.

Structured English

START

Get serving option

Option values: plain cone = 1, waffle cone = 2, cup = 3

Get number of scoops

Calculate price

Multiply option value by 50 cents

Multiply number of scoops by \$1.00

Add figures

Display total price to customer

IF customer confirms purchase

THEN

WHILE flavour is unassigned to all scoops

THEN get flavour of scoop

THEN return to WHILE

END WHILE

Send order to staff

Process order and take payment

ELSE return to START

ENDIF

END



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Flowchart

