Flowchart

OUTPUT "Please enter your name:"

OUTPUT "Welcome to Miss Universe Qualification!”

age=0, educ=0, vitalw=0, vitalb=0, vitalh=0, gender=0, name [80]

BEGIN

INPUT name

OUTPUT "Please enter your highest educational attainment:"

INPUT age

OUTPUT "Enter your age:"

OUTPUT "Press 1 if you are atleast high school graduate.

Press 0 if not:”

INPUT educ

OUTPUT "Please enter your vital stats in waistline(in):”

INPUT vitalw

INPUT vitalb

OUTPUT "Please enter your vital stats in bustline(in):"

OUTPUT "Please enter your vital stats in hipline(in):”

INPUT vitalh

OUTPUT "Please enter your gender:

Press 1 if you are Female.

Press 0 if not: "

INPUT gender

If age>=18 && age <=28

OUTPUT "Sorry, you are not qualified!

Reason: You did not meet the qualification in age.”

No

Yes

If educ==1

OUTPUT "Sorry, you are not qualified!

Reason: You did not meet the qualification in education.”

No

Yes

OUTPUT "Sorry, you are not qualified!

Reason: You did not meet the qualification in vital stats.”

If vitalw==36

No

OUTPUT "Sorry, you are not qualified!

Reason: You did not meet the qualification in vital stats.”

If vitalb==24

Yes

No

OUTPUT "Sorry, you are not qualified!

Reason: You did not meet the qualification in vital stats.”

If vitalh==36

Yes

No

No

OUTPUT "Sorry, you are not qualified!

Reason: You did not meet the qualification in gender.”

Yes

If gender==1

OUTPUT "Ms. name, Congratulations! You are qualified in Miss Universe.”

Yes

OUTPUT "Thank you for using the program."

END

Pseudocode

ALGORITHM missu\_qualification

name [80]

age 0, educ 0, vitalw 0, vitalb 0, vitalh 0, gender 0

OUTPUT "Welcome to Miss Universe Qualification!”

OUTPUT "Please enter your name:"

INPUT name

OUTPUT "Enter your age:"

INPUT age

OUTPUT "Please enter your highest educational attainment:"

OUTPUT "Press 1 if you are atleast high school graduate. Press 0 if not:”

INPUT educ

OUTPUT "Please enter your vital stats in waistline(in):”

INPUT vitalw

OUTPUT "Please enter your vital stats in bustline(in):"

INPUT vitalb

OUTPUT "Please enter your vital stats in hipline(in):”

INPUT vitalh

OUTPUT "Please enter your gender: Press 1 if you are Female. Press 0 if not: "

INPUT gender

IF age>=18 && age <=28 THEN

IF educ==1 THEN

IF vitalw==36 THEN

IF vitalb==24 THEN

IF vitalh==36 THEN

IF gender==1 THEN

OUTPUT "Ms. name, Congratulations! You are qualified in Miss Universe.”

ELSE

OUTPUT "Sorry, you are not qualified! Reason: You did not meet the qualification in

gender.”

END IF

ELSE

OUTPUT "Sorry, you are not qualified! Reason: You did not meet the qualification in

vital stats.”

END IF

ELSE

OUTPUT "Sorry, you are not qualified! Reason: You did not meet the qualification in vital

stats.”

END IF

ELSE

OUTPUT "Sorry, you are not qualified! Reason: You did not meet the qualification in vital

stats.”

END IF

ELSE

OUTPUT "Sorry, you are not qualified! Reason: You did not meet the qualification in

education.”

END IF

ELSE

OUTPUT "Sorry, you are not qualified! Reason: You did not meet the qualification in age.”

END IF

OUTPUT "Thank you for using the program."

END missu\_qualification