



## MERCHANT VENTURERS SCHOOL OF ENGINEERING OUTREACH PROGRAMME

MICRO:BIT SNAKE GAME—ANSWERS

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## Answers to the tasks:

```
c) Task 1:

set previousDy v to dy v

if right v then

set dx v to 1

set dy v to 0

else if forward v then -

set dx v to 0

set dy v to -1

else if backward v then -

set dx v to 0

set dy v to 1

else if left v then -

set dx v to 0

set dy v to -1

set dy v to 0
```

```
b) Task 2:

set score * to score * + * 1

set score * score *

snakeX * insert at length of array snakeX * value appleX *

snakeY * insert at length of array snakeY * value appleY *
```

```
a) Task 3:

while fStop ▼ = ▼ false ▼

do ■ set appleX ▼ to pick random 1 to 3

set appleY ▼ to pick random 1 to 3

set fStop ▼ to true ▼

for i from 0 to length of array snakeX ▼ - ▼ 1
```

```
d) Task 4:

else

if positionx • • • or • positionx • • • or • positiony • • • or • positiony • • • • or • positiony • or • position
```