USB memory sticks and SD cards all use which type of storage technology?

What is the difference between HTTP and HTTPS?

What is -127_{10} as a signed two's complement binary number?

Which of these is more efficient and why? What are 2 advantages of efficient algorithms?

```python
#Algorithm 1
num = int(input("Start number: "))
for i in range(num):
    num = num + i
print(num)
```

```python
#Algorithm 2
num = int(input("Start number: "))
result = ((num + 1) * num) / 2
print(result)
```

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USB memory sticks and SD cards all use which type of storage technology?

Solid State (Flash)

What is the difference between HTTP and HTTPS?

HTTPS ensures all data being sent is encrypted and so makes web data communication far more secure.

What is -127_{10} as a signed two's complement binary number?

1000 0001

Which of these is more efficient and why? What are 2 advantages of efficient algorithms?

```
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num = int(input("Start number: "))
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```

Both use 2 variables so same use of memory. But Algorithm 2 has 1 pass, whereas A1 has 5 passes. So A2 much more efficient and faster.

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