## What is a robot?

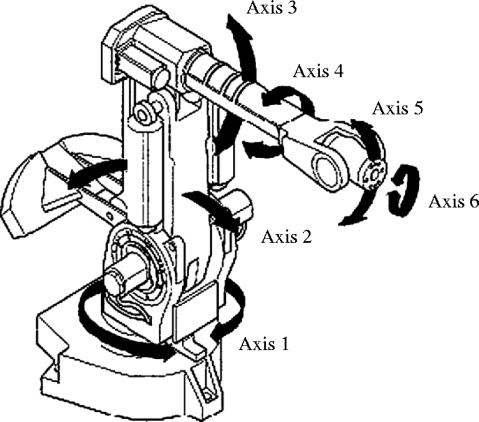
There’s no precise definition, but by general agreement a robot is a programmable machine that imitates the actions or appearance of an intelligent creature–usually a human. To qualify as a robot, a machine has to be able to do two things: 1) get information from its surroundings, and 2) do something physical–such as move or manipulate objects.

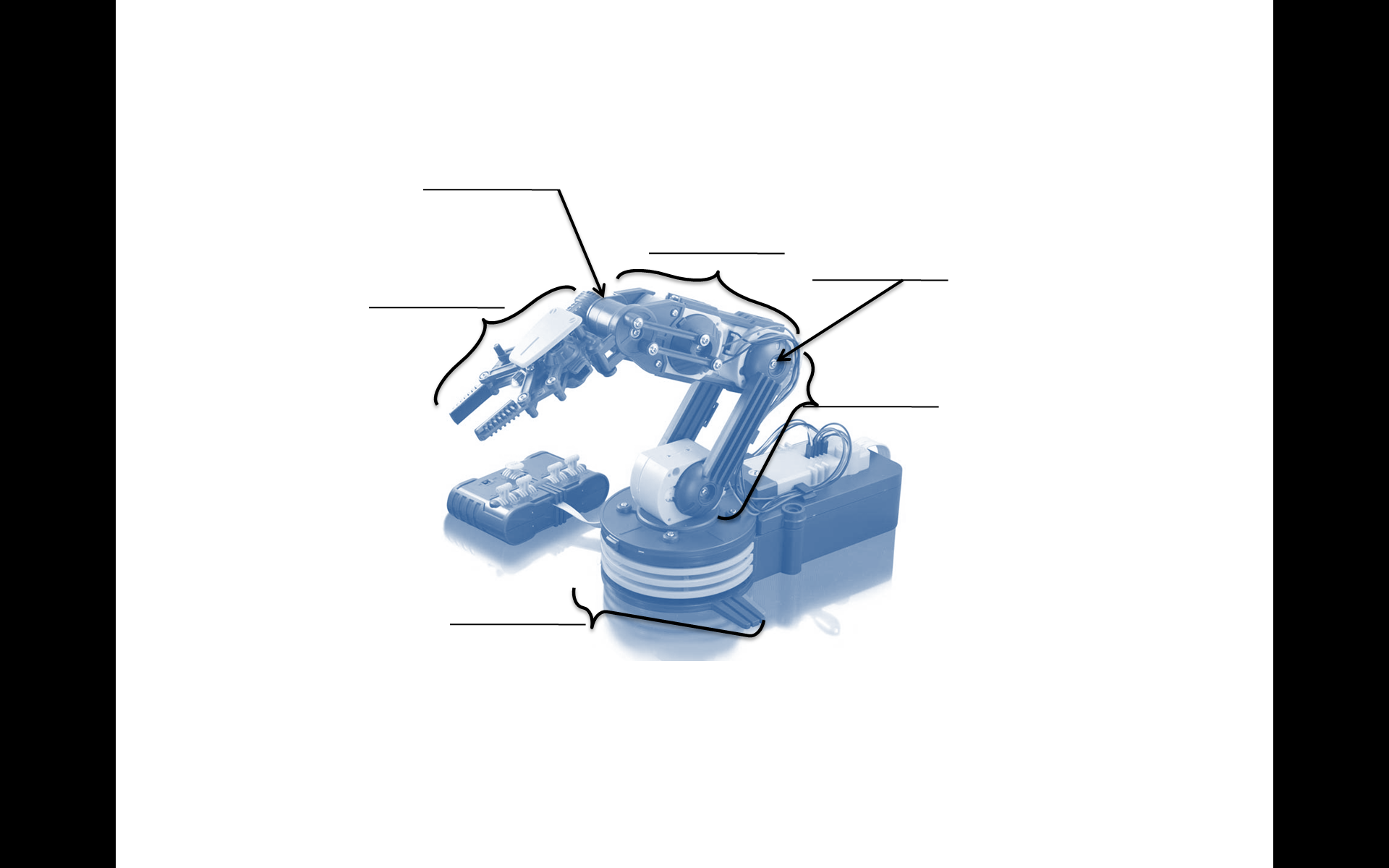
The word robot comes from the Czech word robota, meaning drudgery or slave-like labor. It was first used to describe fabricated workers in a fictional 1920s play by Czech author Karel Capek called Rossum’s Universal Robots. In the story, a scientist invents robots to help people by performing simple, repetitive tasks. However, once the robots are used to fight wars, they turn on their human owners and take over the world.

## Functional Analysis

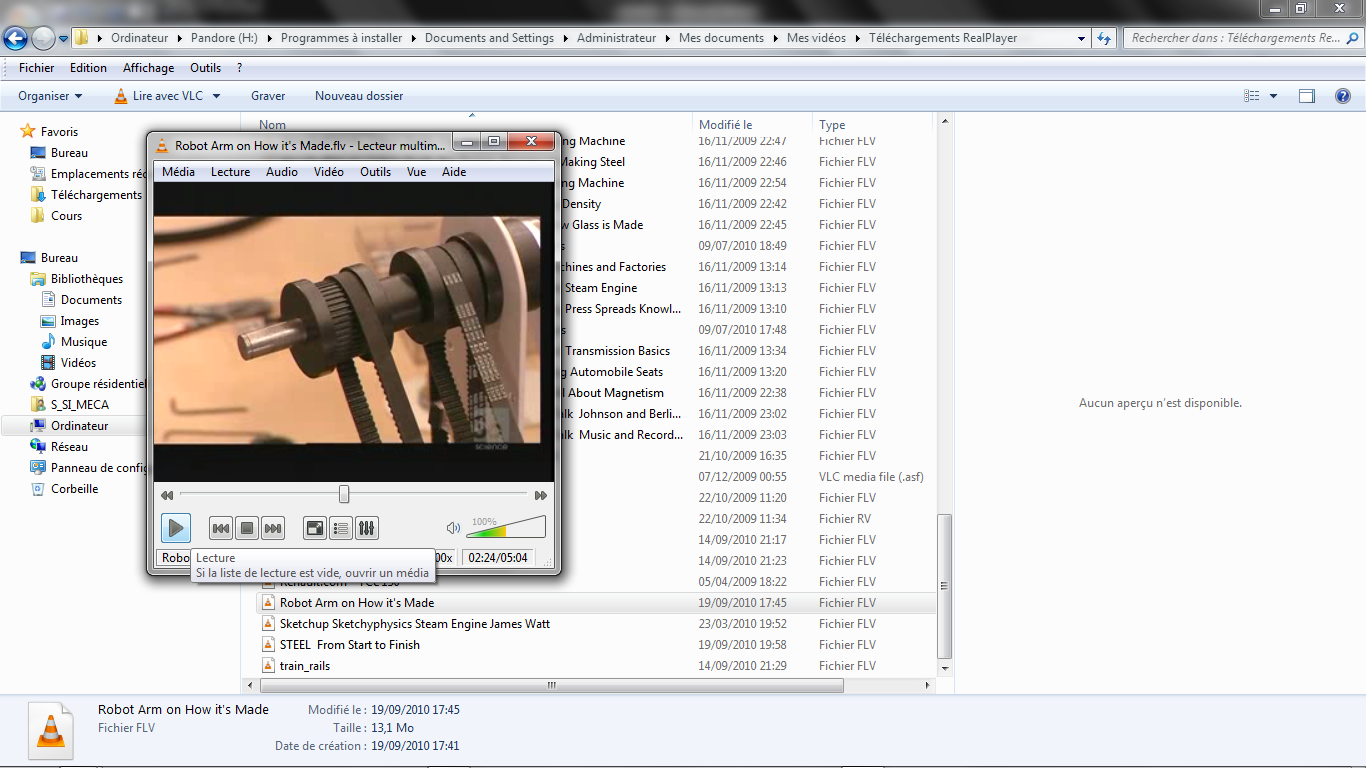
Is it a close loop system or a one way system, why?

## Constitution:

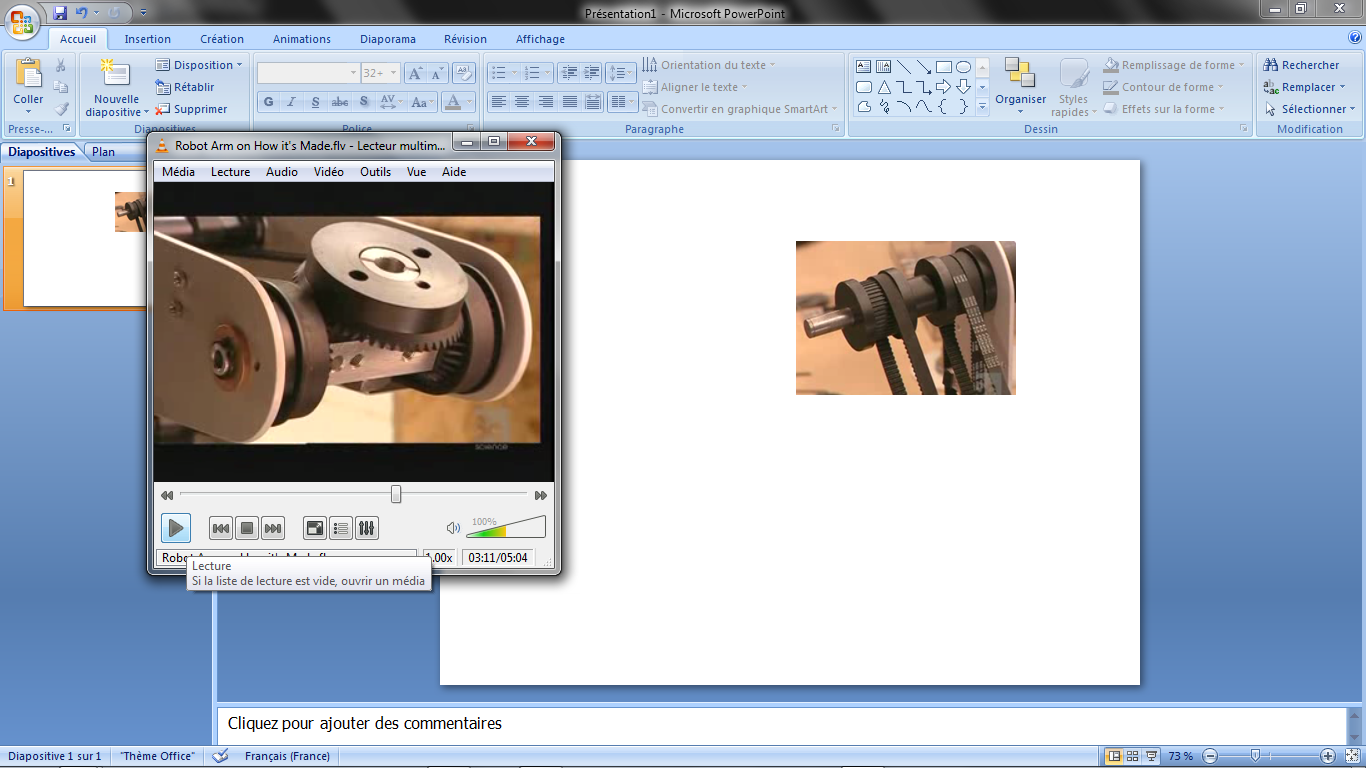


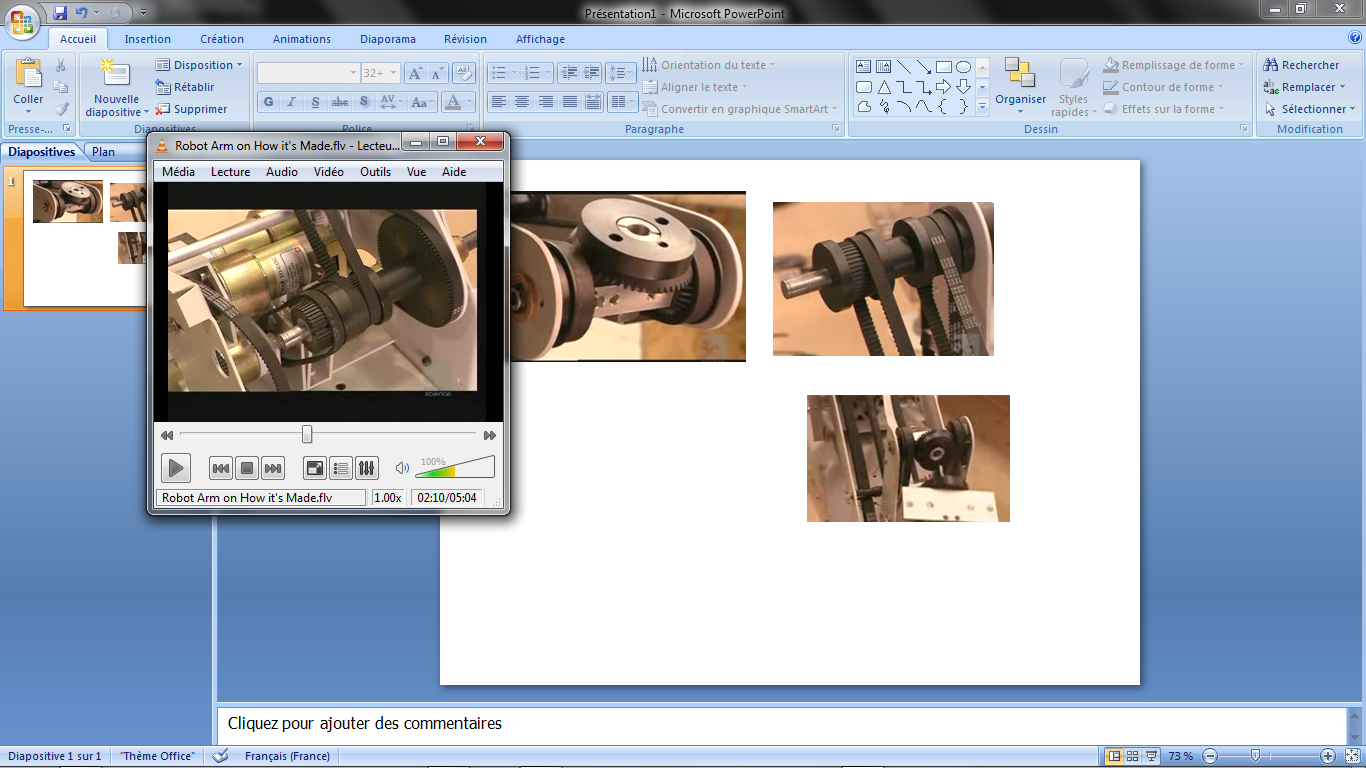


## How to manage the different motions:



Thanks to….





## Comprehension (about the text next page):

1. **Focus on the bottom of the advert**

* Find where the company which manufactures these robots is located.
* This document is an advert which was published in a magazine. Find when this issue was published.

An advertising / an advert / an ad / to advertise

1. **Focus on the paragraph starting with “With prices started below £1000…”**

* Find expressions showing that these robots are good quality and cheap.
* True or false? Justify with a quote from the advert:

1. Heavy weights can be moved gently with Genesis robot.
2. A maximum of 6 axes can be added to the robot.
3. **In this paragraph, find words or expressions synonymous to (in the order of the text):**

***Under:*** *\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_*

***Offer:*** *\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_*

***At the same time:*** *\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_*

***Energy:*** *\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_*

***Allows:*** *\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_*

***Thanks to:*** *\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_*

***Or*** *\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_*

***A remote control:*** *\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_*

1. **Prices and specification**
2. Write down the prices in full letters for the Genesis S101:

* £390:
* £445:
* £790:

1. Read aloud the prices of the different models of Genesis S101.
2. **Weight and pounds**

* 1 pound is equivalent to
* 1 sterling pound is equivalent to
* 1” is equivalent to

