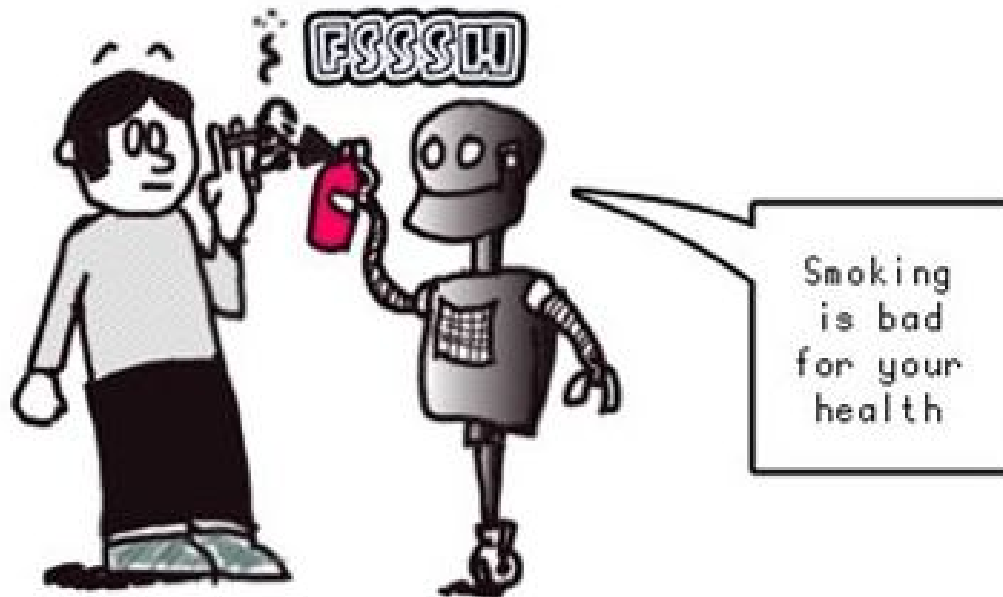


Laws of Robotics & Robot Definitions

Laws of robotics

- Three laws framed by Sir Isaac Asimov.
- First Law: A robot must not harm a human being or through inaction allow one to come to harm.

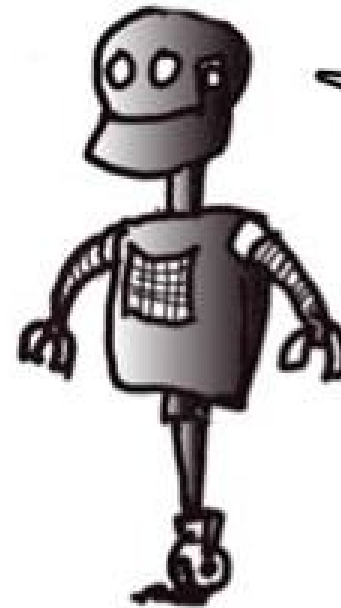
*FIRST LAW OF
ROBOTICS:
A ROBOT MAY
NOT HARM A
HUMAN OR
THROUGH
INACTION
ALLOW A
HUMAN TO
COME TO HARM*



Laws of robotics

- Second Law: A robot must always obey human beings unless it is conflict with the first law.

**SECOND LAW
OF ROBOTICS:
A ROBOT MUST
OBEY ORDERS
FROM A HUMAN
EXCEPT WHERE
THEY CONFLICT
WITH THE FIRST
LAW**



You
weren't
paying
attention,
were you?

Laws of robotics

- Third Law: A robot must protect itself from harm unless that is in conflict with the first and/or the second laws



Robot definitions

- Original word from Czech word 'robota' meaning either a slave or a mechanical item that would help its master.
- Robot carries out tasks done by a human being.
- So Robot may do any work where some sort of intelligence and decision making capability is needed.

Automation Vs Robot

- Performs a particular job only.
- Cannot be reprogrammed.
- Cannot take any decision.
- Doesn't have any sensory feedback.
- Doesn't have knowledge base or intelligence.
- Made to do different jobs at different times and in different sequences.
- Can be reprogrammed to do different jobs.
- Able to take decision by its own.
- Have sensors to get the feedback.
- Have intelligence to make decisions.