Tutomal (11) 0023 /07/19. (1) What is meant by addressing mode? It is the way in which the operand of an instruction is specified is called the Addressing Mode. The addressing mode specifies a rule for interpreting or modifying the address field of the instruction before the operand is actually executed. (3) What are the two types of addressing? Direct Addressing Absolute Addressing. 3 Draw a sample diagram to show how direct addressing works. Instruction to the same of the same Nemens Address Main Memery Operand.

1 What are the pros and cons of direct addressing ?

Direct	Addressing.
Pros	Cons
). Simplicity	> Lack of flexibility
E) & frictionary	2> Limited Address
The second	space.
3) Reduced introduction	100 2 TO 100 TO
over head.	3) Difficulty to dynamic
	me mory management.
A) Memory Accers:	1
optimization.	4) lode reusablidy.
hanner.	10 11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1

(3) What are the advantages of having multiple addressing moder in a computer architecture?

* Versitility — The architecture can accommodate a wide range of programming needs making it more versatile and capable of handling diverse tasks.

* code optimization

* Reduced code size.

* Enhanced data structures.

* improved memory access patterns.

* Code portability.

* Dynamic memory management.

