## Secure-Coding Assignment

- 1) What is responsible for allocating memory when we declare int \* ptr = new int and how are they @int a=5 (3) world (Stack ortleap)
- @ Whenever a variable is declared and initialized, it is said to be static memory allocation and the memory is allocated in stack. This memory allocation is done by Operating System. int\*ptr= new int
  - type is known as dynamic memory allocation and hence allocated in Heap and ptr is container for address, size said to be archétecture or system. i.e, zabits in pt & is 32-bit architecture. Memory is affair allocated by operating System.
- Memory allocation is always done by operating-system because compiler is just a translator that translates human-readable source cod in to machine level or object code.