

Q.4) Memory management Systems of JVM.

Method area -

- It has 5 parts.
- Method area / Heap area -
 - Load all class information. JVM has only one method area & heap area.
 - It is also called as thread memory.

- Stacks -

- Keep method information, local variables.
- A separate runtime stack is created for every thread.
- All details are stored here until completion of method.

- PC Register -
 - It holds information about next execution.
 - It stores address of currently executing Jvm Instruction.
 - Separate PC register is created for every thread.
- Native Method Stack -
 - Thread creates this kind of memory & thread is at a whole new level.
- Native Method Area -
 - This is stack that can support native methods that are written in different language.