Java Quiz-Executor Framework

Total points   10/13   ?

Knowledge checcker on executor framework in java

Email *

bhcsekits@gmail.com

✓   **7. What is the key difference between execute() and submit() methods in** * 1/1
the Executor framework?

○   a) There is no difference; they both execute tasks similarly.

◉   b) submit() can return a Future object while execute() cannot.   ✓

○   c) execute() is used for Runnable tasks, while submit() is used for Callable tasks.

○   d) submit() can handle checked exceptions, whereas execute() cannot.

✓   **9. In the Executor framework, which method is used to schedule tasks to** * 1/1
execute periodically or after a certain delay?

○   a) execute()

○   b) submit()

◉   c) schedule()   ✓

○   d) run()

✓ **6. Which interface in Java provides a way to execute a task asynchronously and obtain the result using a Future object?** *1/1

○ a) Executor

⊙ b) Callable ✓

○ c) Runnable

○ d) FutureTask

✗ Email-id * ⋯/1

bhcsekits@gmail.com ✗

✗ Name * ⋯/1

B.Hanumanthu ✗

✗ ISTE Id * ⋯/1

60 ✗

✓ **2. Which interface is at the core of the Executor framework in Java?** *   1/1

◉ a) ExecutorService   ✓

○ b) Runnable

○ c) Callable

○ d) Thread

✓ **3. Which of the following Executor implementations manages a thread pool?**   *1/1

○ a) SingleThreadExecutor

○ b) CachedThreadPool

◉ c) FixedThreadPool   ✓

○ d) ScheduledThreadPoolExecutor

✓ **10. What happens if a task submitted to an ExecutorService throws an exception?**   *1/1

○ a) The exception is silently ignored.

○ b) The ExecutorService re-attempts the task execution.

◉ c) The exception is propagated to the caller through a Future object.   ✓

○ d) The entire ExecutorService shuts down.

✓ **4. In the Executor framework, which method is used to submit a task for execution and returns a Future representing the pending result of the task?** *1/1

○ a) execute()

◉ b) submit() ✓

○ c) run()

○ d) schedule()

✓ **5. Which method of ExecutorService is used to shut down the Executor and reject any new tasks from being submitted?** *1/1

◉ a) shutdown() ✓

○ b) terminate()

○ c) stop()

○ d) halt()

✓ **1.What is the main purpose of the Executor framework in Java? *** 1/1

◉ a) To manage the execution of concurrent tasks ✓

○ b) To synchronize multi-threaded applications

○ c) To prevent race conditions in Java programs

○ d) To handle exceptions in parallel processing

✓ **8. Which of the following Executor implementations creates a new thread to execute each task?** *1/1

○ a) FixedThreadPool

◉ b) SingleThreadExecutor ✓

○ c) CachedThreadPool

○ d) ScheduledThreadPoolExecutor

Google Forms