Program-1

🡺Following are the attached screenshot of the output for Program-1. From this we can clearly have a look that:-

1. Multi-threaded program-1 is running faster than a non-threaded program.
2. Larger value of NUMBER\_OF\_POINTS is giving more accurate estimation of π than a smaller value.

A screenshot of a computer

Description automatically generated with medium confidence

A screenshot of a computer

Description automatically generated with medium confidence

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A screenshot of a computer

Description automatically generated with medium confidence

Program-2

🡺 Following are the attached screenshot of the output for Program-2. From this we can clearly have a look that:-

1. The Multi-Threaded programming-2 is running faster than Program-1.
2. Also Larger value of NUMBER\_OF\_SLAVES is giving faster running time than a smaller value.
3. Also larger value of NUMBER\_OF\_SLAVES is giving accurate estimation of π than a smaller value.

A screenshot of a computer

Description automatically generated with medium confidence

A screenshot of a computer

Description automatically generated with medium confidence

A screenshot of a computer

Description automatically generated with medium confidence

A screenshot of a computer

Description automatically generated with medium confidence

A picture containing graphical user interface

Description automatically generated