

Those whose names are listed here will work on this exercise. Those whose names did not appear here, please check the other file NapkinChess.

S19A	S20A	S21A
ALEJANDRIA, RIZABELLE ASPRA, JOHANNA JHERINE CARPO, ALEXANDER MORRIS CHOO, BEATRIS MARIELL LIM, REANNA CHELSEY NG LOZANO, RAFAEL RODRIGUEZ LUCAS, JOHN MARTIN GUBA MARASIGAN, OLIVIA MAE REGALA, JANINE BIANCA SIETEREALES, MIGUEL YAP, MARY ANGEL QUE	COQUILLA, PHILLIP BRYAN ERIVE, WINONA LOUISE LAU, JOANNA CHUA MENDAROS, NAOMI ISABEL NOBLEZA, JOSEPH RYAN NOVENARIO, JOSE LORENZO POBLETE, CLARISSE FELICIA PORTALES, NAOMI ESTRELON SEO, DONG SEONG PARK TAN, SHAYANE ENTOTE UY, JUSTIN KERRBIE CHAN	ACORDA, VICTORIA ANGELA AQUINO, KURT NEIL FLORES BAYLON, JASON CHRISTIAN CHICO, ELIAS ANDRE JIMENEZ ELLOSO, JASMINE ROSE FLORES, JAN PATRICK LATOSA LAM, JANICA MAE MARTINEZ LIM, PATRICIA MAY MONTOJO MARQUEZ, CHIARA DENISE SUSADA, JAN RENEE

Odometer

Kevin is fascinated by race cars, so much so that he wants to know how far they travel when they race. Your task is to compute the distance a vehicle has traveled in METERS, given their speed and the time they have been traveling. Assume the speed is constant throughout the trip. Assume also that the speed is given in KM/H and that the time is given in SECONDS. Follow the screen format below.

Sample Screen Output:

```
*****
Please input the speed in km/h: 42.00
Please input the time in seconds: 9.1

Computing distance... Done!

42.00 km/h is equivalent to: 11.67 meters per second
The racecar has traveled: 106.17 meters!

Thank You!
*****
```

Requirement:

- A. Create the following functions:
- 1.) stars() – displays 1 line of asterisks
 - 2.) getInputs() – gets input from user for the speed and the time
 - 3.) toMetersPerSec() – converts the speed (in km/h) to meters per second
 - 4.) computeDistance() – computes for the distance travelled given speed and time
 - 5.) main() – calls the functions and displays the result, based on the given sample screen output.
- B. Prepare your test script to contain at least 3 test cases each for the functions toMetersPerSec() and computeDistance(). Use the following format:

Function	#	Description	Sample Input Data	Expected Output	Actual Output	P/F
toMetersPerSec()	1					
	2					
	3					
computeDistance()	1					
	2					
	3					