

## Javascript - Working with ES6 Functions

### **Q1.**

Write a program that calculates the area, circumference of a circle? Make the area and circumference generic and implement for other shapes like triangle and rectangle? Use ES6 functions.

### **Q2.**

Write a program that does text search in the pile of texts that is preloaded?

Sample Text:

#### **Fabulous Co-worker**

Kalam took great care of his colleagues. A co-worker had promised his kids that he would take them to the science museum after returning from work, and obtained the prior permission of Mr. Kalam to leave early. The colleague was so engrossed in his work that it was well into the evening when he realised that he had made a promise to his kids. On rushing back home, he came to know from his wife that Mr. Kalam had come earlier and taken his kids to the museum.

#### **Great Human Being**

We were in a convoy of 6-7 cars. Dr. Kalam and I were in the second car. Ahead us was an open gypsy with three soldiers in it. Two of them were sitting on either side and one lean guy was standing atop, holding his gun. One hour into the road journey, Dr. Kalam said, "Why is he standing? He will get tired. This is like punishment. Can you ask a wireless message to given that he may sit?" I had to convince him, he has been probably instructed to keep standing for better security. He did not relent. We tried radio messaging, that did not work. For the next 1.5 hours of the journey, he reminded me thrice to see if I can hand signal him to sit down. Finally, realizing there is little we can do--he told me, "I want to meet him and thank him".

"Later, when we landed in IIM Shillong, I went inquiring through security people and got hold of the standing guy. I took him inside and Dr. Kalam greeted him. He shook his hand, said thank you buddy. "Are you tired? Would you like something to eat? I am sorry you had to stand so long because of me". The young lean guard, draped in black cloth, was surprised at the treatment. He lost words, just said, "Sir, aapke liye to 6 ghante bhi khade rahenge".