

Tensor creation rmd file

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```
knitr::opts_chunk$set(echo = TRUE)

###Libraries used -
library(torch)
library(ggplot2)

#Creating a tensor with values from 1 to 12
tensor <- torch_arange(1, 12)

#This 1D tensor can be visualized as a bar plot or a line plot.

#Converting the tensor to an R vector for plotting.
tensor_values <- as.array(tensor)

#Creating a dataframe for ggplot2.
df <- data.frame(Index = 1:length(tensor_values), Value = tensor_values)

#Plotting the tensor values as a line plot.
ggplot(df, aes(x = Index, y = Value)) +
  geom_line(color = "blue") + # Line plot
  geom_point(color = "red", size = 3) +
  labs(title = "Visualization of torch_arange(1, 12)",
       x = "Index",
       y = "Value") +
  theme_minimal()
```

