Terraform Script for creating azure virtual machine

```
# Configure Terraform with Azure provider
terraform {
  required_version = ">= 1.0"
  required_providers {
    azurerm = {
      source  = "hashicorp/azurerm"
      version = "~> 3.0"
    }
  }
}

# Configure Azure Provider for your Azure credentials
provider "azurerm" {
  features {}
}

# Define variables for your VM configuration
variable "resource_group_name" {
  type = string
}

variable "vm_name" {
  type = string
}

variable "location" {
  type = string
}

variable "vm_size" {
  type = string
}
```

Create Terraform.tfvars file for assigning the variable name


```
#Terraform.tfvars
resource_group_name = RG-PROD-LLM-{resource group-name as mentioned in prompt}
vm_name = "test-server"
location = "us-east-2"
vm_size = "D2S"
```

```
# Create a resource group for the VM
resource "azurerm_resource_group" "rg" {
  name = var.resource_group_name
  location = var.location
}

# Define the virtual machine resource
resource "azurerm_virtual_machine" "vm" {
  name                = var.vm_name
  location            = azurerm_resource_group.rg.location
  resource_group_name = azurerm_resource_group.rg.name
  vm_size             = var.vm_size

  # Other VM configuration options
  # ...
}
```

End of terraform script