**# Variables for common values**

$resourceGroup = "myResourceGroup"

$location = "Central India"

$vmName = "myVM"

**# Create user object**

$cred = Get-Credential -Message "Enter a username and password for the virtual machine."

**# Create a resource group**

New-AzureRmResourceGroup -Name $resourceGroup -Location $location

**# Create a subnet configuration**

$subnetConfig = New-AzureRmVirtualNetworkSubnetConfig -Name mySubnet -AddressPrefix 192.168.1.0/24

**# Create a virtual network**

$vnet = New-AzureRmVirtualNetwork -ResourceGroupName $resourceGroup -Location $location `

-Name MYvNET -AddressPrefix 192.168.0.0/16 -Subnet $subnetConfig

**# Create a public IP address and specify a DNS name**

$pip = New-AzureRmPublicIpAddress -ResourceGroupName $resourceGroup -Location $location `

-Name "mypublicdns$(Get-Random)" -AllocationMethod Static -IdleTimeoutInMinutes 4

**# Create an inbound network security group rule for port 3389**

$nsgRuleRDP = New-AzureRmNetworkSecurityRuleConfig -Name myNetworkSecurityGroupRuleRDP -Protocol Tcp `

-Direction Inbound -Priority 1000 -SourceAddressPrefix \* -SourcePortRange \* -DestinationAddressPrefix \* `

-DestinationPortRange 3389 -Access Allow

**# Create a network security group**

$nsg = New-AzureRmNetworkSecurityGroup -ResourceGroupName $resourceGroup -Location $location `

-Name myNetworkSecurityGroup -SecurityRules $nsgRuleRDP

**# Create a virtual network card and associate with public IP address and NSG**

$nic = New-AzureRmNetworkInterface -Name myNic -ResourceGroupName $resourceGroup -Location $location `

-SubnetId $vnet.Subnets[0].Id -PublicIpAddressId $pip.Id -NetworkSecurityGroupId $nsg.Id

**# Create a virtual machine configuration**

$vmConfig = New-AzureRmVMConfig -VMName $vmName -VMSize Basic\_A2 | `

Set-AzureRmVMOperatingSystem -Windows -ComputerName $vmName -Credential $cred | `

Set-AzureRmVMSourceImage -PublisherName MicrosoftWindowsServer -Offer WindowsServer -Skus 2016-Datacenter -Version latest | `

Add-AzureRmVMNetworkInterface -Id $nic.Id

//VM\_Size should be available in the entered location.

**# Create a virtual machine**

New-AzureRmVM -ResourceGroupName $resourceGroup -Location $location -VM $vmConfig