**Creation of Virtual Machine using Azure PowerShell**

Set the session context to a subscription:

Set-AzureRmContext -SubscriptionId <Replace this with subscription ID without any quotes>

Create resource group

New-AzureRmResourceGroup -ResourceGroupName AzureVM -Location NorthEurope

Create subnet

$subnetConfig = New-AzureRmVirtualNetworkSubnetConfig -Name DefaultSubnet -AddressPrefix 10.0.0.0/24

Create virtual network

$vnet = New-AzureRmVirtualNetwork -ResourceGroupName AzureVM -Location NorthEurope -Name myVnet -AddressPrefix 10.0.0.0/16 -Subnet $subnetConfig

Create public IP address

$pip = New-AzureRmPublicIpAddress -ResourceGroupName AzureVM -Location NorthEurope -AllocationMethod Static -Name myPublicIPAddress

Create network interface card

$nic = New-AzureRmNetworkInterface -ResourceGroupName AzureVM -Location NorthEurope -Name myNic -SubnetId $vnet.Subnets[0].Id -PublicIpAddressId $pip.Id

Create network security group

$nsgRule = New-AzureRmNetworkSecurityRuleConfig -Name myRDPRule -Protocol Tcp -Direction Inbound -Priority 1000 -SourceAddressPrefix \* -SourcePortRange \* -DestinationAddressPrefix \* -DestinationPortRange 3389 -Access Allow

$nsg = New-AzureRmNetworkSecurityGroup -ResourceGroupName AzureVM -Location NorthEurope -Name myNetworkSecurityGroup -SecurityRules $nsgRule

Set-AzureRmVirtualNetworkSubnetConfig -Name DefaultSubnet -VirtualNetwork $vnet -NetworkSecurityGroup $nsg -AddressPrefix 10.0.0.0/24

Set-AzureRmVirtualNetwork -VirtualNetwork $vnet

Create a virtual machine

$cred = Get-Credential

$vm = New-AzureRmVMConfig -VMName myVM -VMSize Standard\_A1

$vm = Set-AzureRmVMOperatingSystem -VM $vm -Windows -ComputerName myVM –Credential $cred -ProvisionVMAgent -EnableAutoUpdate

$vm = Set-AzureRmVMSourceImage -VM $vm -PublisherName MicrosoftWindowsServer –Offer WindowsServer -Skus 2016-Datacenter -Version latest

$vm = Set-AzureRmVMOSDisk -VM $vm -Name myOsDisk -DiskSizeInGB 128 –CreateOption FromImage -Caching ReadWrite

$vm = Add-AzureRmVMNetworkInterface -VM $vm -Id $nic.Id

New-AzureRmVM -ResourceGroupName AzureVM -Location NorthEurope -VM $vm