

Complete the following function to sample the latent space using the reparameterization trick.

Only use numpy. DO NOT use any other packages.

```
import numpy as np

def sample_latent_space_using_reparameterization_trick(mu,var):
    """ Given the mean mu and variance var of the latent space, sample the latent
    space by reparametrization trick
    :param mu: np array of means [batch_size,latent_dim].
    :param var: np array of variances [batch_size,latent_dim].
    return np array Sampled latent vectors of shape [batch_size, latent_dim]"""
```

[illegible]