Implement a program for matrix multiplication for the given matrix

Steps:

- 1. Check the device whether GPU is available or not in the machine and set the GPU if it is available
 - 2. Create tensor x_tensor with the values

```
1 2 3
```

4 5 6

7 8 9

3. Create tensor y_tensor with the values:

```
9 8 7
```

6 5 4

3 2 1

4. Multiply the created matrices x_tensor and y_tensor and store in z_tensor.

Hint: use '@' operator of pytorch for dot product

```
In [2]: import torch
# Set device based on availability of CUDA
device = 'cuda' if torch.cuda.is_available() else 'cpu'
print(f"Using device: {device}")
#Create x tensor and y tensor and assign to the selected device.
### BEGIN SOLUTION
x = [[1, 2, 3], [4, 5, 6], [7, 8, 9]]
y = [[9,8,7], [6,5,4], [3,2,1]]
### END SOLUTION
# Convert to PyTorch tensors and move to the chosen device
x_tensor = torch.tensor(x, dtype=torch.float).to(device)
y_tensor = torch.tensor(y, dtype=torch.float).to(device)
# Apply @ operator for matrix multiplication on x tensor and y tensor and store
### BEGIN SOLUTION
z_tensor=x_tensor@y_tensor
z tensor
### END SOLUTION
```

Using device: cuda