

9)

Implement the image scaling techniques to resize the images to both bigger and small sizes.

CODE:

```
import cv2
```

```
# Step 1: Read the image
```

```
image = cv2.imread(r"C:\Users\harik\Downloads\CV LAB\MOUNTAIN.jpeg") # Replace with the path  
to your image
```

```
cv2.imshow('Original Image', image)
```

```
# Step 2: Resize to a smaller size (e.g., half the original dimensions)
```

```
small = cv2.resize(image, (0, 0), fx=0.5, fy=0.5, interpolation=cv2.INTER_AREA)
```

```
cv2.imshow('Smaller Image', small)
```

```
# Step 3: Resize to a bigger size (e.g., 2x the original dimensions)
```

```
big = cv2.resize(image, (0, 0), fx=2.0, fy=2.0, interpolation=cv2.INTER_LINEAR)
```

```
cv2.imshow('Bigger Image', big)
```

```
# Step 4: Wait and close
```

```
cv2.waitKey(0)
```

```
cv2.destroyAllWindows()
```

OUTPUT:

