

1- What is the output of the following code. Analyze the changes of the values of the variables x, y, z, i.

```
#include<stdio.h>
```

```
int main()
```

```
{
```

```
    int x=5;
```

```
    int y=7;
```

```
    int z=9;
```

```
    int i;
```

```
    for(i=1;i<6;i++)
```

```
        printf("i=%d \n",i);
```

```
    printf("\ni=%d\n",i);
```

```
    printf("\n\n");
```

```
    printf("x=%d\n",x++);
```

```
    printf("x=%d\n",x);
```

```
    printf("y=%d\n",++y);
```

```
    printf("y=%d\n",y);
```

```
    printf("z=%d\n",--z);
```

```
    return 0;
```

```
}
```

Output of the code:

```
i=1
```

```
i=2
```

```
i=3
```

```
i=4
```

```
i=5
```

```
i=6
```

```
x=5
```

```
x=6
```

```
y=8
```

```
y=8
```

```
z=8
```