

Q1: What is the output of the following C program?

```
int main() {  
    int var = 052;  
    printf("%d", var);  
    return 0;  
}
```

- a) 52
- b) 56
- ☒ c) 42
- d) Compiler error

$$\begin{matrix} 8^1 & 8^0 \\ 5 & 2 \end{matrix}$$

$$5 * 8 + 2 * 1 = 40 + 2 = 42$$

Q1: What is the output of the following C program?

```
int main() {  
    int var = 052;  
    printf("%o", var);  
    return 0;  
}
```

- ☒ a) 52
- b) 56
- c) 42
- d) Compiler error

Q2: What is the output of the following C program?

```
#include <stdio.h>

#define STRING "%s\n"
#define NESO "Welcome to Neso Academy!"

int main() {
    printf(STRING, NESO);
    return 0;
}
```

- a) Compiler error
- b) "Welcome to Neso Academy!"
- c) Garbage value
- ☒ d) Welcome to Neso Academy!

```
printf(STRING, NESO);
```

```
printf("%s\n", "Welcome to Neso Academy!");
```

They are one and the same.