

54. Solve the program using logical operators to combine the conditions

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

```
int main() {
```

```
    char marital_status;
```

```
    char gender;
```

```
    int age;
```

```
    // Accepting input
```

```
    printf("Enter marital status (M for married, U for unmarried): ");
```

```
    scanf(" %c", &marital_status);
```

```
    printf("Enter gender (M for male, F for female): ");
```

```
    scanf(" %c", &gender);
```

```
    printf("Enter age: ");
```

```
    scanf("%d", &age);
```

```
    // Checking eligibility for bonus
```

```
    if ((marital_status == 'M') ||
```

```
        (marital_status == 'U' && ((gender == 'M' && age > 30) || (gender == 'F' && age > 25))))
```

```
{
```

```
    printf("Person is eligible for bonus.\n");
```

```
} else {
```

```
    printf("Person is not eligible for bonus.\n");
```

```
}
```

```
    return 0;
```