

Assignment 2

1.

```
#include <stdio.h>
int main() {
    int a = 256;
    printf("%d", a % 10);
    return 0;
}
```

2.

```
#include <stdio.h>
int main() {
    int a = 256;
    printf("%d", a / 10);
    return 0;
}
```

3.

```
#include <stdio.h>
int main() {
    int a = 10, b = 20, c;
    c = a;
    a = b;
    b = c;
    printf("%d %d", a, b);
    return 0;
}
```

4.

```
#include <stdio.h>
int main() {
    int a = 10, b = 20;
    a = a + b;
    b = a - b;
    a = a - b;
    printf("%d %d", a, b);
    return 0;
}
```

5.

```
#include <stdio.h>
int main() {
    int x = 256; int sum = 0;
    int rem = x % 10;
    x = x / 10;
    sum = sum + rem;
    rem = x % 10;
    x = x / 10;
    sum = sum + rem;
    rem = x % 10;
    x = x / 10;
    sum = sum + rem;
    printf("%d", sum);
    return 0;
}
```

6.

```
#include <stdio.h>
int main() {
    char ch = 'A';
    printf("%d", ch);
    return 0;
}
```

7.

```
#include <stdio.h>
int main() {
    int x = 8, result = 0, count = 0;
    result = x & 1; count++;
    if (result == 1)
        printf("%d", count);
    x = x >> 1;
    return 0;
}
```

```

7. #include <stdio.h>
int main() {
    int x = 8, result = 0;
    int count = 0;
    while (x != 0) {
        result = x & 1;
        count++;
        if (result == 1)
            printf("%d", count);
        x = x >> 1;
    }
    return 0;
}

```

```

8. #include <stdio.h>
int main() {
    int a; printf("Enter a number");
    scanf("%d", &a);
    if (a & 1)
        printf("odd number");
    else
        printf("even number");
    return 0;
}

```

```

9. #include <stdio.h>
int main() {
    printf("%d", sizeof(int));
    printf("%d", sizeof(char));
    printf("%d", sizeof(float));
    printf("%d", sizeof(double));
    return 0;
}

```

```

10. #include <stdio.h>
int main() {
    int x = 2345;
    x = xxxx x/10 * 10;
    printf("%d", x);
    return 0;
}

```

```

11. #include <stdio.h>
int main() {
    int x, d;
    scanf("%d %d", &x, &d);
    x = x * 10 + d;
    printf("%d", x);
    return 0;
}

```

```

12. #include <stdio.h>
int main() {
    int r; int r; float d;
    printf("Enter rupee");
    scanf("%d", &r);
    d = r / 76.23;
    printf("USD %f", d);
    return 0;
}

```

```

13. #include <stdio.h>
int main() {
    int x = 234;
    x = x % 10 * 100 + x / 10;
    printf("%d", x);
    return 0;
}

```