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BSCS CMSC 21 – 1

Basic Syntax in C
Lecture 2 Assignments

1.

```c
//Judelle Gaza

#include <stdio.h>
int main(void)
{
    /*Declaring variable types*/
    int num1, num2;

    /*Asking for user input and scanning for the 2-digit input*/
    printf("Please enter a 2-digit number: ");
    scanf("%1d%1d",&num1,&num2);

    /*Reversing the order of the numbers*/
    printf("Reverse: %1d%1d", num2, num1);

    return 0;
}
```

```
Please enter a 2-digit number: 21
Reverse: 12
```

2.

```c
//Judelle Gaza

#include <stdio.h>
int main(void)
{
    /*Declaring variable types*/
    int num1, num2, num3;

    /*Asking for user input and scanning for the 2-digit input*/
    printf("Please enter a 3-digit number: ");
    scanf("%1d%1d%1d",&num1,&num2,&num3);

    /*Reversing the order of the numbers*/
    printf("Reverse: %1d%1d%1d", num3, num2, num1);

    return 0;
}
```

```
Please enter a 3-digit number: 812
Reverse: 218
```

3.

```c
/*Judelle Gaza*/

#include <stdio.h>

int main(void)
{
    int i,j,k;

    //a
    printf("a.");
    i = 3;
    j = 4;
    k = 5;
    printf("%d", i < j || ++j < k);

    //b;
    printf("\nb.");
    i = 7;
    j = 8;
    k = 9;
    printf("%d",i - 7 && j++ < k);

    //c
    i = 7;
    j = 8;
    k = 9;
    printf("\nc.");
    printf("%d", (i = j) || (j == k));
    printf("%d %d %d", i, j, k);

    //d
    printf("\nd.");
    i = j = k = 1;
    printf("%d", ++i || ++j && ++k);
    printf("%d %d %d", i, j, k);

}
```

OUTPUT:

a. 1

b. 0

c. 18 8 9

d. 12 1 1

OUTPUT:

```
a.1
b.0
c.18 8 9
d.12 1 1
```

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