

Class 6 Lab questions

#1. ternary conditional

Code:

```
#include <stdio.h>
int main()
{
    int a285,b285;
    a285= 10;
    printf("Value of b is %d\n",(a285==1)?20:30);
    printf("Value of b is %d\n",(a285==10)?20:30);
}
```

Output:

```
PROBLEMS  OUTPUT  DEBUG CONSOLE  TERMINAL

PS C:\Users\KIIT\Desktop\Programming\class6> gcc conditional_op.c
PS C:\Users\KIIT\Desktop\Programming\class6> ./a.exe
Value of b is 30
Value of b is 20
PS C:\Users\KIIT\Desktop\Programming\class6> |
```

#2. Modifiers- Constant

Code:

```
#include <stdio.h>
void main()
{
    const int height285 = 100;
    const float number285 = 3.14;
    const char letter285 = 'K';
    const char letter_sequence285[10] = "KIDUS";
    const char backslash_char285 = '\\?';

    printf("value of height %d\n", height285);
    printf("value of number %f\n", number285);
    printf("value of letter %c\n", letter285);
    printf("value of letter sequence %s\n", letter_sequence285);
    printf("value of backslash character %c\n", backslash_char285);
}
```

Output:

```
PROBLEMS  OUTPUT  DEBUG CONSOLE  TERMINAL

PS C:\Users\KIIT\Desktop\Programming\class6> gcc constant.c
PS C:\Users\KIIT\Desktop\Programming\class6> ./a.exe
value of height 100
value of number 3.140000
value of letter K
value of letter sequence KIDUS
value of backslash character ?
PS C:\Users\KIIT\Desktop\Programming\class6> |
```

#3. Special Operations

Code:

```
#include <stdio.h>
int main()
{
    int a285=21;
    int c285;
    c285=a285; printf("Line 1- = Operator example, value of c=%d\n",c285);
    c285+=a285; printf("Line 2- += operator example, value of c=%d\n",c285);
    c285-= a285; printf("Line 3- -= operator example, value of c=%d\n",c285);
    c285*=a285; printf("Line 4- *= operator example, value of c=%d\n",c285);
    c285/=a285; printf("Line 5- /= operator example, Value of c=%d\n",c285);
    c285=200;
    c285%=a285; printf("Line 6- %= operator example, value of C=%d\n",c285);
    return 0;
}
```

Output:

```
PROBLEMS  OUTPUT  DEBUG CONSOLE  TERMINAL

PS C:\Users\KIIT\Desktop\Programming\class6> gcc cpd_op.c
PS C:\Users\KIIT\Desktop\Programming\class6> ./a.exe
Line 1- = Operator example, value of c=21
Line 2- += operator example, value of c=42
Line 3- -= operator example, value of c=21
Line 4- *= operator example, value of c=441
Line 5- /= operator example, Value of c=21
Line 6- = operator example, value of C=11
PS C:\Users\KIIT\Desktop\Programming\class6> |
```