GE3 COMPUTER SCIENCE

C AND C ++ LECTURE SERIES *FOR*

B.SC 3RD SEMESTER *BY*

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LECTURE 7

CONTROL STATEMENTS

LOOP CONTROL STATEMENTS

BREAK

CONTINUE

CONTROL STATEMENTS

BREAK

```
switch (choice = toupper(getchar()))  {

case 'R':
     printf("RED");
     break;

case 'W':
     printf("WHITE");
     break;

case 'B':
     printf("BLUE");
     break;

default:
     printf("ERROR");
     break;
}
```

CONTROL STATEMENTS

BREAK(cont.)

```
for (count = 0; count <= n; ++count)  {
    . . . . .
    while (c = getchar() != '\n')  {
          if (c = '*')  break;
          . . . . .
    }
}
```

CONTROL STATEMENTS

CONTINUE

```
do  {
       scanf("%f", &x);
       if (x < 0)  {
          printf("ERROR - NEGATIVE VALUE FOR X");
          continue;
    };

    /* process the nonnegative value of x */

       . . . . .
} while (x <= 100);
```

```
for (count = 1; x <= 100; ++count)   {
    scanf("%f", &x);
    if (x < 0)  {
       printf("ERROR - NEGATIVE VALUE FOR X");
       continue;
    }

    /* process the nonnegative value of x */

    . . . . .
}
```

CONTROL STATEMENTS

COMMA OPERATOR

used primarily in conjunction with the **for** statement

```
for (expression 1a, expression 1b; expression 2; expression 3) statement
```

```
for (expression 1; expression 2; expression 3a, expression 3b) statement
```

CONTROL STATEMENTS

GOTO statement

```
goto label;
```

```
label: statement
```

```
scanf("%f", &x);
while (x <= 100)    {
        . . . . .
        if (x < 0) goto errorcheck;
        . . . . .
        scanf("%f", &x);
}
    . . . . .
/* error detection routine */
errorcheck: {
                printf("ERROR - NEGATIVE VALUE FOR X");
                . . . . .
            }
```

CONTROL STATEMENTS

Check Odd or Even

```
#include<stdio.h>
int main(){
      int a;
      printf("Enter the number:");
      scanf("%d", &a);
      if(a%2==0){
            printf("EVEN");
      }
    else{
        printf("ODD");
    }
   return 0;
}
```

COMPILE AND RUN A C CODE

Thank You

End of Lecture 7

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