CTYPE FUNCTIONS

Exercise:

```
1)
    char pw[16];
    int c1=0, c2=0, c3=0, c4=0, c5=0, i;
     printf("Enter password : ");
     scanf("%[^\n]", pw);
     if(strlen(pw)>=10 && strlen(pw)<=15)
        c1=1;
     else if(strlen(pw)<10)
        printf("Password too short!\n");
     else
        printf("Password too long!\n");
     for(i=0; pw[i]!='\0'; i++)
        if(islower(pw[i]))
              c2=1;
              break;
        }
     for(i=0; pw[i]!='\0'; i++)
        if(isupper(pw[i]))
              c3=1;
              break;
```

```
}
for(i=0; pw[i]!='\0'; i++)
   if(pw[i]=='@' || pw[i]=='#' || pw[i]=='$' || pw[i]=='%'
   ||pw[i]=='^{'}||pw[i]=='&'||pw[i]=='*'
         c4=1;
         break;
   }
for(i=0; pw[i]!='\0'; i++)
   if(isdigit(pw[i]))
         c5=1;
         break;
   }
if(c1 && c2 && c3 && c4 && c5)
   printf("Password accepted!");
else
   printf("Password requirements don't match!");
```

Aptitude Questions:

- 1) True
- 2) True
- 3) False

4) Differences between islower() and tolower().

islower()	tolower()
1) It is used to check	1) It is used to convert the
whether a character in	character in
consideration is in lower	consideration to lower
case or not.	case.
2) It returns zero or a non-	2) It returns the character in
zero value.	lower case.

5) False