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| Program  6.1: | There is a person, who is asked to enter the alphanumeric password for  registering into an ecommerce website for purchasing products from website.  But he is not aware about, what does Alphanumeric mean. So, he tries entering  various combinations 5 times, but he fails to create such password. So let us help  him by writing a C program to validate his password. Constraints for writing  password are it should have combination of lowercase, uppercase and digit. |
| Algorithm: | **Step 1**: Start  **Step2**: Declare h\_upper, h\_lower, h\_digit, CHAR[PASS],i  **Step 3**: Enter the password.  **Step 4**: i=0.  **Step5**: Now using nested loop write down password in do loop  **Step6**: Now write condition in for loop and check the condition using else if ladder  **Step7**: If all the condition are true with password then print Valid Password  **Step8**: If any of them does not match with condition then print Invalid  Password. Try again .If so Repeat from step 3 again  **Step9**: End |
| Flowchart: |  |
| Code: |  |
| Output: |  |

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| Question  Answer? | 1.Have you understood working of do...while loop? Do mention the syntax of this  loop.  **Answer**: Yes  do  {  //Loop body  } while(expression);  2.Have you used for loop in this program?  **Answer:Yes**  3.What is goto statement? How is it useful?  **Answer**: The goto statement is a jump statement which is sometimes also referred to as unconditional jump statement. The goto statement can be used to jump from anywhere to anywhere within a function. |