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Department: Electrical/Electronics Engineering
Course Title: Structured Computer Programming
Course code: ENG 224
Assignment: 3
Due date: 27th April, 2020.

Answers;

1.

```
- #include <Stdio.h>
- #define DAYSINWEEK 7
-
- int main()
- {
- int ndays, year, week, days;
-
- printf("Enter number to be converted\n");
- scanf("%d",&ndays);
- year=ndays/365;
- week=(ndays%365)/DAYSINWEEK;
- printf("%d is equivalent to %d years,%d weeks and %d days",
- ndays,year,week,days);
- }
```

2.

3.

4.

```
- #include <iostream>
-
- Using namespace std;
-
- int main()
- {
- int age, count=0, i,n;
-
- count<<"Enter how many persons:";i;
- cin>>n;
-
- for(i=0; i<=20; i++)
- {
- cout<<"Enter age of person: ";i;
```

```

-     cin>>age
-     if(age>=0 && age<=4)
-         count++;
- }
- count<<"Total persons in the Baby age: "<<count;
- if(age>=5 && age<=17)
-     count++;
- }
- count<<"Total persons in the School age: "<<count;
-     if(age>=18 && age<=100)
-         count++;
- }
- count<<"Total persons in the Adult age: "<<count;
-
- return 0;
- }

```

5.

```

- #include<stdio.h>
- #include<stdlib.h>
-
- int main() {
-
-     int randomNo,input;
-
-     time_t t;
-
-     srand ((unsigned)time(&t));
-     randomNo=rand()%100+1;
-     printf("%d",randomNo);
-     do{
-
-         printf("Guess a number from 0 to 100\n");
-         scanf("%d",&input);
-         if(randomNo>input){
-             printf("Number guessed is low");
-         }else if(randomNo<input){
-             printf("Number guessed is high");
-         }
-     }while(randomNo!=input);
-

```

```
- printf("Correct");  
-  
- }
```