CURTIN UNIVERSITY
FACULTY OF SCIENCE AND ENGINEERING: SCHOOL OF ELECTRICAL ENGINEERING, COMPUTING AND MATH SCIENCE

Programming Languages Assignment

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Course: *Programming Languages - COMP2007* – Lecturer: *Ascsociate Lecturer: Arlen Brower*
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```
      program fizzBuzz
      integer times, ii

      write (*,*) 'Enter amount of times you want to run fizz buzz: '
      read (*,*) times
      write (*,*) 'times running fizz buzz algorithm: ', times
      ii = 0

      do while (ii < times)
      ii = ii + 1

*starting off with the number 15 as that is going to be the biggest
   number,
*and it's going to short circuit the lower numbers. 15 is going to be
   divisible
*with less things than 3 and 5
      if (mod(ii,15) == 0) then
       print *, 'fizz buzz'

      else if (mod(ii,5) == 0) then
       print  *, 'buzz'

      else if (mod(ii,3) == 0) then
       print *, 'fizz'

      else
        print *, ii
      endif

      end do

      stop
      end
```

Figure 1: FizzBuzz: Fortran Code

```
BEGIN
    print (("Enter the amount of times which you want to run the
       programme: "));
    INT times = read int;

    print (("Running fizz  buzz times of ", times));
    print ((" ", new line));

    FOR ii FROM 1 TO times DO
        IF ((ii MOD 15) = 0) THEN
            print(("Fizz buzz", new line))

        ELIF ((ii MOD 5) = 0) THEN
            print(("buzz", new line))

        ELIF ((ii MOD 3) = 0) THEN
            print(("Fizz", new line))
        ELSE
            print((ii, new line))
        FI
    OD
END
```

Figure 2: FizzBuzz: Algo68 Code